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Cisco Network Security

August 2021

Contents

Introduction

Purpose

This document describes the ordering guidance for Cisco® physical, virtual, and containerized network security solutions, including:

- Cisco Secure Firewall Threat Defense (FTD / formerly Firepower® Next-Generation Firewalls / NGFW)

- Cisco Adaptive Security Appliance (ASA)

- Firepower 1000 Series, 2100 Series, 4100 Series, and 9300 Series Appliances, which run both FTD and ASA software

- 5500-X appliances, with either Cisco Firewall Threat Defense or ASA software

In addition, this guide details process of enabling Extended Logging and Analytics for both FTD and ASA platforms.

This guide will help you make sure that the right quantities and types of parts are selected to reduce the risk of order rejection.

Audience

This guide is intended for Cisco sales, partners, and distributors.

Scope

This document covers orderability for the following products and licenses:

Cisco Firewall Threat Defense

- Cisco Firepower appliances with Cisco Firewall Threat Defense software and subscriptions

- Cisco Firepower Threat Defense software and subscriptions on existing ASA 5500-X appliances

- Cisco Firepower Threat Defense software and subscriptions on new ASA 5500-X appliances

- Cisco Next-Generation Firewall Virtual (NGFWv) appliance and subscriptions

Cisco ASA firewalls

- Cisco ASA with FirePOWER Services appliances and subscriptions

- Cisco ASA Firewall physical and virtual (ASAv) appliance and subscriptions

- Cisco ASA software and subscriptions on Cisco Firepower NGFW appliances

Firewall management solutions

- Cisco Firepower Management Center physical and virtual appliance and subscriptions

- Cisco Security Manager software

Optional hardware

- Cisco ASA 5500-X Series 6-port Gigabit Ethernet interface cards

Optional Software

- Radware Virtual DefensePro DDoS Mitigation
- Cisco AnyConnect® Secure Mobility Client

Support

- Cisco Smart Net Total Care™ appliance support services
- Cisco Software Application Support plus Upgrades (SASU)

Note: Any order for a service will be subject to the detailed terms and conditions presented in this guide.

Selecting the Appropriate Management Solution

Several management solutions are available to manage Cisco firewalls. The following guidelines can help select the most appropriate one, but you can consult a Cisco expert to help select the best manager for your customer or use cases.

Choosing the right management solution is tied to a few factors:

- The software image you select, either Firepower Threat Defense (FTD) or ASA software image
- Willingness to use a cloud based solution for management
- Need for specific features or environment scale

Local managers are included with both software options for single NGFW deployments:

- ASDM is included with the ASA software image
- Firepower Device Manager (FDM) is included with the Firepower Threat Defense software Image for all supported appliance models (Firepower 1000 Series, Firepower 2100 Series, Firepower 4100 Series and Firepower 9300)

The Cisco Firepower Threat Defense software image enables centralized management with either an on-premise manager – Cisco Firepower Management Center – or a cloud based one – Cisco Defense Orchestrator.

Devices running the ASA software can be managed centrally with the Cisco Security Manager (local) or Cisco Defense Orchestrator (Cloud).

If a customer wants to manage a mix of ASAs and FTDs from a single pane of glass, Cisco Defense Orchestrator is the best way forward.

If a customer wants to manage multiple ASA with FirePOWER Services devices centrally, then two managers are required: Firepower Management Center (formerly FireSIGHT Management Center) for threat functions and Cisco Security Manager for firewall functions.

The following table can help guide you in which manager to select with your firewall order.
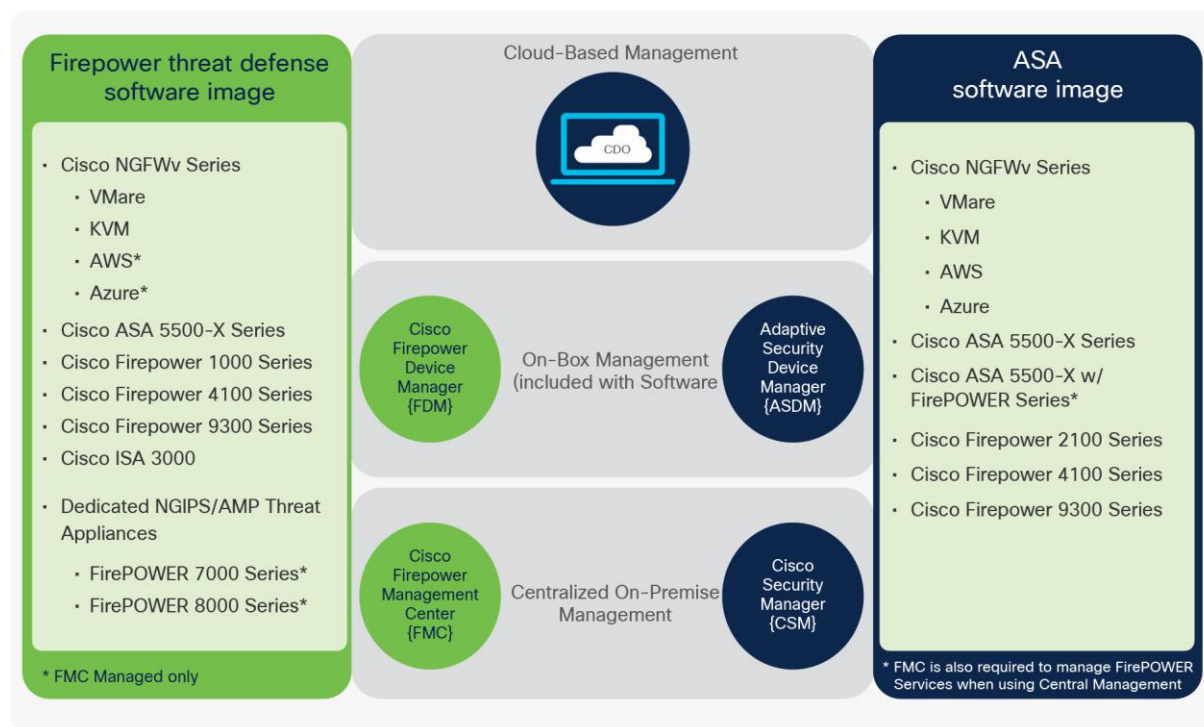

Figure 1.
Manager selection matrix

Licensing

Smart Licensing is Cisco's new licensing system. It enables customers to easily move licenses themselves between similar systems in their organization, overcoming limitations associated with previous device-locked Product Authorization Key (PAK)-based licenses. Become familiar with the new Smart Software Licensing portion of the ordering process.

End customers must create a Smart Licensing account on Cisco's Smart Software Manager portal before initiating an order for the Cisco Firepower Threat Defense software on select ASA appliances. Alternatively, Cisco or a partner can begin the process of creating the Smart Licensing account on behalf of the end customer. The Smart Software Manager portal is available for customers to manage the efficient use of purchased smart licenses. When the order is placed, all ordered licenses are added to the customer's Smart Licensing account.

Table 1.   Product licensing by product type

Cisco Firepower Threat Defense (FTD) software on Firepower NGFW appliances	Cisco Smart Licensing only
Cisco Firepower Threat Defense (FTD) software on ASA 5500-X Series appliances	Cisco Smart Licensing only
Cisco ASA with FirePOWER Services software on ASA 5500-X Series appliances	Cisco PAK Licensing only
Cisco ASA software on Cisco ASA 5500-X Series appliances	Cisco PAK Licensing only
Cisco ASA Virtual (ASAv) appliances	Cisco Smart Licensing

Cisco Firepower Threat Defense (FTD) software on Firepower NGFW appliances	Cisco Smart Licensing only
Cisco Firepower NGFW Virtual (NGFWv) appliances	Cisco Smart Licensing
Cisco Radware vDefensePro on Cisco Firepower 9300 and select Firepower 4100 Series appliances	Supplied by Radware
Cisco Firepower Management Center	None required
Cisco Firepower Management Center Virtual Appliance (FMCv)	Either Cisco PAK and Smart Licensing
Cisco Security Manager	Cisco PAK Licensing
Extended Logging and Analytics	Either Cisco Smart Licensing or Classic License

With the Cisco Smart License Manager, the customer can connect devices to the Smart Software Manager portal, so purchased licenses can be consumed as needed. These licenses can be relinquished back to the portal when a device is powered down or a user is finished using the license. With Smart Software Licensing, customers can easily check in and check out licenses to use on different platforms. Licenses are no longer locked to a specific platform.

A Smart Account can be created from Cisco Software Central. For more information on setting up a Smart Account, please refer to this Quick Reference Guide.

Additional Smart Licensing resources are available here:

Location	Description
https://cisco.com/go/smartaccounts	Cisco Smart Accounts Overview
https://cisco.com/go/smartlicensing	Cisco Smart Software Licensing Overview
Software Operation Exchange Page **Live Training Schedule** **Orderable Smart Licensing SKU List**	Additional Software training and informational resources

Cisco Radware vDefensePro Licensing

Licensing of the vDP and Vision will be administered directly by Radware. Once the order is shipped, Radware will send an email to the customer with their serial numbers. Please note the address of the person on the customer order who will receive the email. These serial numbers will be needed along with the MAC address for either vDP and/or Vision after installation. If the email with the serial numbers cannot be found, please open a TAC case to get them reissued. For detailed licensing instructions, please refer to the Radware Customer Onboarding and License Generation Instructions.

High Availability Pair Licensing

Cisco requires two (2) subscriptions for a High Availability (HA) pair of appliances running Firepower Threat Defense software image, which is configured for active-passive operation. The hardware models available with this optional configuration include:

- Cisco ASA 5500-X Series
- Cisco Firepower 1000 Series
- Cisco Firepower 2100 Series
- Cisco Firepower 4100 Series
- Cisco Firepower 9300 Series

We now offer specially configured bundle SKUs that enable the purchase of a high availability pair of appliances and software subscriptions that includes 50% discounted pricing for the second software subscription in the two-appliance bundle.

The bundle consists of:

- Two (2) identically configured hardware appliances
- Two (2) identical software subscriptions

A 50% discount will be automatically applied to the second software subscription in the bundle. See the specific model section in this document for the appropriate bundle PID.

Renewing HA Bundle Software Subscriptions

The 50% pricing discount also applies to HA bundles at time of renewal.

Cisco AnyConnect Secure Mobility Client Licensing

Cisco AnyConnect (Plus, Apex, and VPN Only) licenses are required to use the Remote Access VPN (RA VPN) functions on all Network Security NGFWs (physical and virtual) running the Firepower Threat Defense code base version 6.2.1 and later. This adds capability to the Firepower Threat Defense code base previously only available on appliances running the ASA code base.

For purchasing information on AnyConnect licenses or instructions on sharing an AnyConnect license with your Smart Account, please see the AnyConnect Ordering Guide.

Instructions can also be found in the AnyConnect License FAQ.

Service and Support Offerings

Software Application Support Plus Upgrades (SASU)

Cisco Firepower Threat Defense software, ASA with FirePOWER Services, ASA firewall, and Cisco Firepower Management Center security licenses include software subscription support. SASU is essential to keeping your business-critical applications available, highly secure, and operating at optimal performance. For the term of your software subscription licenses, you will receive timely, uninterrupted access to the latest software updates and major upgrade releases, which may contain significant architectural changes and new features and functions. With software subscription support, you will have the latest software working to protect your business. You will also have access to a wide range of online tools and communities that can help you solve problems quickly, maintain business continuity, improve your competitiveness, and make the most of limited resources through increased productivity.

This support entitles customers to the services listed here for the full term of the purchased software subscription:

- Software updates and major upgrades, to keep applications performing optimally with the most current feature set
- Access to the Cisco Technical Assistance Center (TAC), which provides fast, specialized support
- Online tool building, to expand in-house expertise and boost business agility
- Collaborative learning, to provide additional knowledge and training opportunities

No additional products or fees are required to receive these services with a software subscription.

Cisco SASU includes:

- Registered access to Cisco.com
- 24-hour access to the Cisco TAC and Cisco software specialists
- Maintenance and minor software release updates
- Major software upgrade releases

Please refer to the following link for more detailed information regarding Cisco SASU: https://www.cisco.com/en/US/services/ps2827/ps2993/services_at_a_glance_sas_sasu.pdf.

Cisco Smart Net Total Care Service

Customers require a Cisco Smart Net Total Care support contract with each appliance to download application signature updates. The Smart Net Total Care Service gives customers access to an abundance of Cisco support tools and expertise, providing them with greater network availability and performance while reducing operating costs. Technical service is required to be attached at the point of the product sale so that customers get the necessary support and entitlement and the best possible return on investment. When ordering Threat Defense software on select ASA hardware, ASA with FirePOWER Services, the Management Center, or Cisco SSL hardware in Cisco Commerce, the appropriate Smart Net Total Care service items are automatically added to your quote.

Additionally, a license can be added to upgrade existing Cisco ASA 5500-X Series and Cisco ASA 5585-X appliances to support Cisco ASA with FirePOWER Services or Threat Defense software capabilities.

The Cisco Smart Net Total Care Service provides:

- Global 24-hour access to the Cisco TAC
- Access to the online knowledge base, communities, and tools
- Current hardware replacement option: next business day, where available
- Operating system software updates
- Smart, proactive diagnostics and real-time alerts on devices enabled with Cisco Smart Call Home

Please refer to the following link for more detailed information regarding Cisco Smart Net Total Care Service: https://www.cisco.com/en/US/products/svcs/ps3034/ps2827/ps2978/serv_group_home.html.

Cisco Advanced Services

The Cisco Global Security Solutions team provides comprehensive assessment, design, deployment, and migration assistance through the Cisco Advanced Services Transaction (AS-T) model, which involves the use of a Statement of Work (SOW). These Cisco AS-T offers are custom scoped and priced, and partners need to engage a Cisco Services account manager to purchase them.

Cisco Security Plan and Build Services help customers develop and deploy a comprehensive security strategy they can rely on to deliver the industry's most comprehensive advanced threat protection solution. This service incorporates a best-practice review, deployment, and mini-tune-up to help ensure that the system is alerting properly.

Cisco Security Migration Services help customers move from existing Cisco Sourcefire or competitive environments. Cisco performs an analysis of the current environment, develops a migration plan, tests the plan in a lab, and performs the migration in the production environment.

To order the customized Cisco Security Plan and Build Services and Migration Services, use the Cisco AS-T part numbers in the table below.

Table 2.   Cisco AS-T ordering information

Part numbers	Description	Price (US$)
AS-SEC-CNSLT (-A, -L)	Cisco Security Plan and Build Services	Custom priced
AS-SEC-CNSLT (-A, -L)	Cisco Security Migration Services	Custom priced

Cisco Technical Services

Cisco Technical Services for Cisco products can be quoted and ordered in Cisco tools, including the Cisco Service Contract Center (SCC) and Cisco Commerce (CCW). Tool use varies depending on the service offer and partner type and whether the service is attached at the time of product purchase.

Partner Supported Services (PSS)

Customers who choose to purchase Partner Supported Services (PSS) from an authorized Cisco partner are also entitled to download application signature updates. For more details, visit https://www.cisco.com/go/partnerservices and the Partner Support Service Global Ordering Guide for Cisco 1-Tier Partners.

SKUs and Ordering Guidance for Cisco Firepower NGFW (Firepower 1000, 2100, 4100 and 9300 Series)

Introduction

Scope: This section describes the pricing and ordering for the following products:

- Cisco Firepower 1000 Series
- Cisco Firepower 2100 Series
- Cisco Firepower 4100 Series
- Cisco Firepower 9300 Series

About the Cisco Firepower 1000, 2100, 4100, and 9300 Series

The Cisco Firepower 1000, 2100, 4100, and 9300 Series, when deployed as Layer 3, 4, and 7 firewall sensors, use the Cisco Firewall Threat Defense (formerly Firepower/FTD) software image. The Cisco Firewall Management Center (formerly Firepower Management Center /FMC) provides unified management of the Cisco Firepower NGFW, as well as dedicated Cisco Firepower Next-Generation Intrusion Prevention (NGIPS) and Cisco Advanced Malware Protection (AMP) solutions. The on-device Firepower Device Manager is also available with select Firepower NGFW models. Firepower Device Manager on-device manager is included for deployments of Firepower 1000, 2100 and 5500-X devices running the FTD image. Alternatively, the Cisco Adaptive Security Appliance (ASA) software image is also supported on the Cisco Firepower 9300, Cisco 4100 Series, Cisco 2100 Series and Cisco 1000 Series. When running the ASA software image, the ADSM on-device manager is available. Also available today on Cisco Firepower 9300 appliances with the ASA image, and direct from Cisco, is the Radware Virtual DefensePro Distributed Denial of Service (DDoS) mitigation capability.

Cisco Firepower 1000 Series Appliances

The Cisco Firepower 1000 Series comprises of three threat-focused NGFW security appliances. The 1000 Series addresses SMB, Branch/Distributed Enterprise and Internet Edge deployments. The 1000 Series NGFWs deliver superior threat defense, at fast spends, with a smaller footprint than their predecessors, the ASA-5506-X, ASA-5508-X and ASA-5516-X. The 1000 Series is now available in ASA and FTD software images.

Chassis Overview: Cisco Firepower 1010

Front view Integrated 8x10/100/1000 RJ45 ports Integrated 4x1G SFP ports Console (Cisco RJ45 serial or mini-USB) 1x USB 2.0 Host and 1x USB console 1 RJ45 10/100/1000Base-T Management Port • Management Console and Ethernet • Singular AC PSU	
Rear view 1. 1 power supply module bay	

Chassis Overview: Cisco Firepower 1120 and 1140

Front view 1. Fixed ports • Integrated 8x10/100/1000 RJ45 ports • Integrated 4x1G SFP ports • Console (Cisco RJ45 serial or mini-USB) • 1x USB 2.0 Host and 1x USB console • 1 RJ45 10/100/1000Base-T Management Port • Management Console and Ethernet 2. Modular options (FRU)	
Rear view 1. 1 power supply module bay	

Chassis Overview: Cisco Firepower 1150

Front view 1. Fixed ports • Integrated 8x10/100/1000 RJ45 ports • Integrated 2x1G SFP ports and 2x10G SPF+ ports • Console (Cisco RJ45 serial or mini-USB) • 1x USB 2.0 Host and 1x USB console • 1 RJ45 10/100/1000Base-T Management Port • Management Console and Ethernet 2. Modular options (FRU)	
Rear view 1. 1 power supply module bay	

Cisco Firepower 2100 Series Appliances

The Cisco Firepower 2100 Series comprises four threat-focused NGFW security appliances. The 2100 Series addresses mid-market use cases from the Internet edge to the data center. The 2100 Series NGFWs deliver superior threat defense, at faster speeds, with a smaller footprint than their predecessors, the ASA-5500 series and FirePOWER 70XX and 71XX appliances.

Chassis Overview: Cisco Firepower 2110 and 2120

Front view 1. Fixed ports • 4 x SFP and 12 x RJ45 ports, USB2.0 • 12 x 1G copper and 4 x SFP 1G • Secondary bay for AMP storage • Management Console and Ethernet • Singular AC PSU	
Rear view 1. 1 power supply module bay	
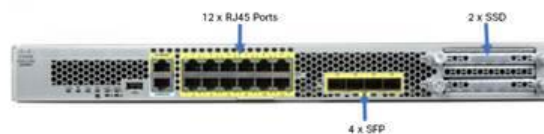
Chassis Overview: Cisco Firepower 2130 and 2140
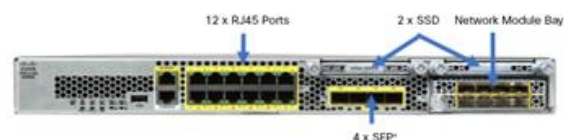
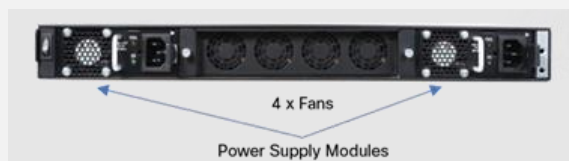|	
Front view 1. Fixed ports • 4 x SFP+ and 12 x RJ45 ports, USB2.0 • 12 x 1G Copper and integrated 4 x SFP+ 10G • Secondary bay for AMP storage • Netmod bay with optional expansion for fiber, copper modules • Management Console and Ethernet **2. Modular options (FRU)** • Optional dual PSU 2130, standard dual PSU 2140 • Optional DC	
Rear view 1. 2 power supply module bays	

Cisco Firepower 4100 Series Appliances

The Cisco Firepower 4100 Series comprises four threat-focused NGFW security appliances. The 4100 Series addresses use cases from the Internet edge to the data center. The 4100 Series NGFWs deliver superior threat defense, at faster speeds, with a smaller footprint. Also, the Cisco Firepower 4100 Series enables an evolutionary path, on the customer's timeline, to the Cisco Firepower NGFW, even if the customer chooses the ASA image in the immediate term.
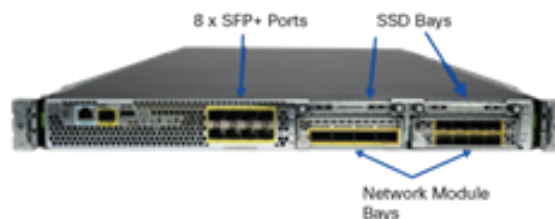
Chassis Overview: Cisco Firepower 4100 Series

Front view 1. 8 SFP+ ports (require SFP optics module selection) • 2 Network Module bays • Optional Network Modules with optional optics modules 2. SSD bays (one occupied by default, second bay for future expansion)	
Rear view 1. 2 power supply module bays • 4110, 4115 and 4120: single AC default, dual AC or DC optional • 4125, 4140, 4145 and 4150: dual AC default, DC optional 2. 6 hot-swappable fans (default configuration, no options)	

Cisco Firepower 9300 Series Appliances

The Cisco Firepower 9300 is a modular, scalable, carrier-grade appliance, available in Network Equipment Building Standards (NEBS) configurations, designed for service providers, data centers, campuses, supercomputing centers, high-frequency trading environments, and other environments requiring both low latency and the greatest throughput. In the service provider context, it is specifically designed for carriers, content providers, and cloud service providers to protect the Cisco Evolved Programmable Network, Cisco Evolved Services platform, and Cisco Application Centric Infrastructure architectures. (For more information, please see Cisco service provider security solutions.)

Tightly integrating threat-centric security services from Cisco and its partners, the 9300 appliance lowers integration costs and supports the full realization of highly secure, open, and programmable networks. In addition to providing class-leading security services, it offers low (less than 5-microsecond) latency, throughput for single flows exceeding 30 Gbps, and class-leading performance and port density on a per-rack-unit basis.

Chassis Overview: Cisco Firepower 9300

|	
Supervisor module (included): provides overall chassis management and network interaction ● Network interface allocation and security module connectivity (960-Gbps internal fabric) 2 x Network Module bays ● 10, 40, and 100 Gigabit Ethernet network connectivity options	
Security Modules: modular computing capability expands as your needs grow. Pictured are the three bays for Security Modules. A minimum of one must be ordered for standard operation. With three SM-56 Security Modules, Cisco Firepower 9300 features up to 235 Gbps of stateful (ASA) firewalling performance, and 1.2 Tbps of clustered performance with 5 clustered Cisco Firepower 9300 chassis. Also available: NEBS-compliant modules. Also pictured at right is the rear views of the Cisco Firepower 9300. Note that it is available with dual AC, DC, or HVDC power supplies. Also, the fan assemblies and power supplies are user replaceable. Reminder: The Cisco Firepower 9300 is available with 10, 40, and 100 GE Network Modules.	
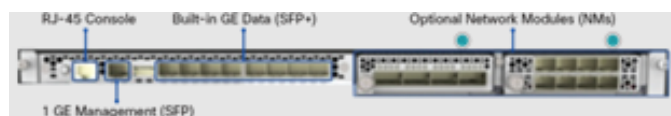
Special Guidelines for Quoting the Cisco Firepower 9300

Cisco Firepower 9300 ordering is highly customizable, and options are offered "à la carte" (that is, separately). You'll nevertheless find the ordering process quite straightforward.

The following table shows the four core components of a Cisco Firepower 9300 order.

Table 3.   Components of a Cisco Firepower 9300 order

Common hardware	Optional modules	Software licenses	Services and subscriptions
Base Cisco Firepower 9300 Security Appliances include: • Chassis (1) • Supervisor (1) • Fans (4) • Power supplies (2 – AC, DC or HVDC)	Choice of Security Modules—up to three bays per chassis: • SM-24, 36, 44, 40, 48, 56 Choice of network modules – two bays per chassis: • 1/10/40/100Gbps options	Smart Licenses ASA: • ASA Standard • Carrier • Strong Encryption • Security Contexts Cisco Firepower Threat Defense: • Threat Base (includes Application Visibility and Control – AVC) • Threat license and subscription terms (see next column) Third-party software: • Radware Virtual DefensePro (available with ASA, and with Firepower Threat Defense in a future release)	Smart Net Total Care Service Cisco Firepower Threat Defense Subscriptions (1-, 3-, or 5-year terms) • Threat (includes Security Intelligence, NGIPS) • Network AMP • URL

Common hardware is bundled. However, your customer may wish to order extra fans and power supplies with the initial order, as these are hot-swappable, user-replaceable items. Please note that every order will require at least one, and up to three, **Security Modules. Network Modules** are also ordered separately.

Regarding **software licenses**, keep in mind that the Cisco Firepower 9300 runs either the ASA software image or the Cisco Firepower Threat Defense image. As well, the Cisco Firepower Threat Defense-based software licenses for customers that already have a Cisco Firepower 9300 are distinct, as detailed below. Also, please note that the Encryption license is export controlled. It is available for most markets, to customers in countries where U.S. export control permits the export of strong cryptography. For more information, visit export compliance details.

In the **third-party software** category, Radware Virtual DefensePro (vDP) DDoS-mitigation capability, which has been tightly integrated into the Cisco Firepower 9300 and 4100 Series with ASA software, is orderable from and supported directly by Cisco.

ASA Licensing for Cisco Firepower Appliances

The 9300 appliance, 4100 Series, 2100 Series and 1000 Series are available with either the Cisco Firepower Threat Defense image or the Cisco Adaptive Security Appliance (ASA) image. Cisco Firepower appliances with ASA are available through Smart Licenses. They include a Base license and up to three optional licenses (Encryption, Security Contexts, and Carrier).

Base License (Free)

L-F9K-ASA(=) (for the Cisco Firepower 9300), **L-FPR4100-ASA(=)** (for the Cisco Firepower 4100 Series models), **L-FPR2100-ASA(=)** (for the Cisco Firepower 2100 Series models) or **L-FPR1000-ASA(=)** (for the Cisco Firepower 1000 Series models): Licensing on the ASA is simplified for the Cisco Firepower appliances. More than 50 ASA feature licenses are condensed into a single license. This license also includes the following security contexts by default: 10 security contexts for Firepower 9300, 10 security contexts for Firepower 4100 Series, 2 security contexts for Firepower 2100 Series and 2 security contexts for Firepower 1000 Series.

Encryption License (Free)

L-F9K-ASA-ENCR-K9(=) (for the Cisco Firepower 9300), **L-FPR4K-ENC-K9(=)** (for Cisco Firepower 4100 Series models), **L-FPR2K-ENC-K9(=)** (for the Cisco Firepower 2100 Series models) or **L-FPR1K-ENC-K9(=)** (for Cisco Firepower 1000 Series models): This license provides for strong encryption (K9) on the platform. The U.S. export of strong cryptography is not available to export-restricted regions. Cisco solutions and products with strong encryption may not be delivered to individuals or entities on the U.S. government's list of denied or restricted parties.

Please review the U.S. Bureau of Industry and Security's list of parties of concern at: https://www.bis.doc.gov/index.php/policy-guidance/lists-of-parties-of-concern.

Additional Security Contexts (Paid)

L-F9K-ASA-SC-10(=) (for the Cisco Firepower 9300), **L-FPR4K-ASASC-10(=)** (for the Cisco Firepower 4100 Series models), or **L-FPR2K-ASASC-10(=)** (for the Cisco Firepower 2100 Series models): This license adds 10 security contexts to an ASA instance on the 9300 appliance or 4100 appliance, respectively.

Carrier License Option (Paid)

L-F9K-ASA-CAR(=) (for the Cisco Firepower 9300) or **L-FP4K-ASA-CAR=** (for Cisco Firepower 4100 Series models): This license covers carrier feature enablement.

Cisco Firepower Threat Defense Licensing for Cisco Firepower Appliances

Figure 2, which is provided for general reference purposes only, highlights the typical order flow. Start with the primary bundle part numbers and the software image (ASA or Firepower Threat Defense), and then, in the case of the example, associated Cisco Firepower Threat Defense–related licenses and subscriptions for functionality like Security Intelligence and Next-Generation IPS ("T"), Advanced Malware Protection ("M"), and URL Filtering ("C"). This example concludes with ordering the associated virtualized Cisco Firepower Management Center. Note that Cisco Firepower Threat Defense ships standard with the option to activate a 3-month trial license without activation of a Smart License account.

Figure 2.
Typical order flow

Ordering Steps for Cisco Firepower 9300, FTD-Based Cisco Firepower 9300

1. Start with one of the following FTD Bundles SKUs in CCW

   - **FPR9K-FTD-BUN**

2. Select Hardware Options and Quantity

   a. Chassis Type – AC, DC, or HVDC

      i. Chassis Options including Netmod, Sup, SFPs, power cables

   b. Security Module Quantity – up to 3 per chassis

3. Select Subscriptions

   a. Type

      i. T=

      ii. URL=

      iii. AMP=

      iv. TC=

      v. TM=

      vi. TMC=

b. Term

        i.   1 Year

        ii.   3 Years

        iii.   5 Years

4. Select Base Software License for each security module

Save and exit bundle configuration and select quantity of each bundle configured. Each bundle corresponds to a single-chassis configuration. After saving the configuration, you can change quantity for more than one chassis with the same configuration

Extended Logging and Analytics

This section describes the procedure to enable Extended Logging and Analytics by ordering Cisco® Security Analytics and Logging (SAL) as part of your firewall purchase. The SAL offer has two distinct delivery mechanisms, as shown below:

- **SAL (SaaS):** A cloud-delivered, Software-as-a-Service (SaaS) offering with a **Cloud Data Store**

- **SAL (On prem):** An on-premises appliance-based software application with an **On-premises Data Store**

While the detailed ordering covering the full scope of the SAL service can be found here, this section covers the details to attach Extended Logging or Analytics to the firewall model being purchased.

Discounted Bundling When Attaching with Firewall Subscriptions via CCW

a. Begin by navigating to the firewall model to be ordered (FPR1150-NGFW-K9, for example).

b. Make your software choice under the "Subscriptions" category at the top (wherever present) and navigate to the "Extended Logging and Analytics" category below.

c. You are presented with two options to the right: "On-Premises Data Store" or "Cloud Data Store." Only one option can be selected per firewall being ordered, with either the same or different subscription term as the firewall subscription.

d. The "Cloud Data Store" option allows selection of either the Logging License, **SEC-LOG-CL**, or the "Logging Analytics License," **SEC-ANYL-CL**. Only one option needs be chosen, as the Logging License is nested under Logging Analytics. Both Cloud licenses include access to a Cisco Defense Orchestrator tenant for log viewing only, which can be requisitioned using the link here: https://www.ciscofeedback.vovici.com/se/6A5348A75C69D114

e. Choosing any one of the two data store options will attach a default logging volume in GB/day for that firewall model, based on expected daily volume per the Estimator Tool. Logging rate comes with a default retention of 90 days rolling storage for Cloud Logging.

f. The last three optional licenses are Data Retention extensions, which extend log retention to 1, 2, or 3 years in the cloud.

a. If SAL (Op) is desired, the "On-Premises Data Store" tab allows choosing the base Logging and Troubleshooting license, **SEC-LOG-OP**. This license supports remote query by FMC and is hosted on SNA appliance(s), as detailed in section 1.2.2.

a. The process for bundling Extended Logging and Analytics for the Firewall FPR9K series devices is different, as the Security Modules (SM) configured as part of order determines the Logging quantity required. The Logging quantities needed are 190, 225 and 257 GBs/day for each SM-40, SM-48 and SM-56 respectively, and this quantity needs to be entered manually for the Extended Logging and Analytics licenses. The system will display a warning of the logging quantities required for each Security Module, as shown below:

Expected Retention Period

The expected retention period for the SAL service under average deployment conditions (see note below table) is as follows:

Table 4.   Retention Matrix

Sustained Firewall Events per Second (eps)	Equivalent GB/day	On-premises					Cloud		
		Single node[*] 1TB Storage	Single node 2TB Storage	Single node 4TB Storage	Multinode[**] Virtual	Multinode HW	Single SEC	MultiSEC	Direct-toCloud
		Expected Retention period in days (under average deployment conditions)							
5,000	562	50	100	200	300	600	Up to 3 years	Up to 3 years	Up to 3 years
10,000	1,123	25	50	100	150	300			Not recommended when individual device's logging rate exceeds 8,500 eps
20,000	2,246	12.5	25	50	75	150[***]			
50,000	5,616	NA	NA	NA	30	60			
75,000	8,424	NA	NA	NA	NA	40			
100,000	11,232	NA	NA	NA	NA	30			
200,000	22,464	NA	NA	NA	NA	NA			

Note: The on-premises log retention in days above are based on average deployment conditions, and may vary materially in different production environments.

[*] Single-node = Repurposed SMC 2210 (HW or Virtual)

[**] Multi-node = SMC 2210 + FC 4210 + DS 6200 (All appliances HW or Virtual)

[***] Compare FMC native logs retention ½ day @ 20,000 peak eps

Radware Virtual DefensePro DDoS Mitigation Option

Overview

Firepower DDoS Mitigation is provided by Radware Virtual DefensePro (vDP), available and supported directly from Cisco. It is available with the Cisco Firepower 9300 and select Cisco Firepower 4100 Series models running either the ASA or FTD software image. The following table details Firepower model and software image compatibility with Radware vDP.

Table 5. Radware vDP availability on Cisco Firepower running either ASA or FTD software image

9300 Series – All Security Modules	yes	yes
4100 Series – All Models	yes	yes

Performance

The performance figures in the tables below apply to all Cisco Firepower 9300 and 4100 Series model configurations running either the ASA or FTD software image.

Table 6. Key DDoS performance metrics for Cisco Firepower 4100 Series

Parameter	Value
Maximum mitigation capacity/throughput	10 Gbps
Maximum legitimate concurrent sessions	209,000 Connections Per Second (CPS)
Maximum DDoS flood attack prevention rate	1,800,000 Packets Per Second (PPS)

The performance figures in the following table are for Cisco Firepower 9300 with 1 to 3 Security Modules irrespective of Security Module type.

Table 7. Key DDoS performance metrics for Cisco Firepower 9300 with 1, 2, or 3 Security Modules

Parameter	Firepower 9300 with 1 Security Module	Firepower 9300 with 2 Security Modules	Firepower 9300 with 3 Security Modules
Maximum mitigation capacity/throughput	10 Gbps	20 Gbps	30 Gbps
Maximum legitimate concurrent sessions	209,000 Connections Per Second (CPS)	418,000 Connections Per Second (CPS)	627,000 Connections Per Second (CPS)
Maximum DDoS flood attack prevention rate	1,800,000 Packets Per Second (PPS)	3,600,000 Packets Per Second (PPS)	5,400,000 Packets Per Second (PPS)

Capacity vs. Licensing

Performance/Capacity/Throughput is dependent on the number of cores assigned to the vDP virtual instance:

- By default, Radware virtual DefensePro (vDP) installs using 6 cores (1 management, 5 software) across each of Cisco Firepower 9300's Security Modules and 4100 Series platforms.

- At install, the number of cores assigned to vDP can be adjusted from 2 to 10 to optimize the throughput performance of Cisco Firepower appliance depending on the customer need.

- While using the default 6 cores, the performance numbers for vDP are constant across platforms. The table below represents the relative performance level expected from ASA and FTD by removing 6 cores from the total available cores on the respective platforms (i.e. 24 cores minus 6 equals 75% of the total performance still available).

Table 8.   Expected ASA or FTD image performance with 6 of the available cores assigned to vDP

Cisco Firepower Model	Total vCores	Expected ASA or FTD Performance with vDP Active
9300 – SM-56	56	89.3%
9300 – SM-48	48	87.5%
9300 – SM-44	44	93.2%
9300 – SM-40	40	85.0%
9300 – SM-36	36	91.7%
Firepower 4150	44	93.2%
Firepower 4145	44	93.2%
Firepower 4140	36	83.3%
Firepower 4125	32	90.6%
Firepower 4120	24	75.0%
Firepower 4115	24	75.0%
Firepower 4110	24	75.0%

Licensing is based on the amount of legitimate traffic, not the capacity of the VM to process information.

- Purchase vDP licenses based on the amount of the client's peak legitimate traffic flow.

- This approach differs from other vendors who charge based on attack volume. Radware licenses are based on **known** legitimate traffic rather than an **unknown** attack volume.
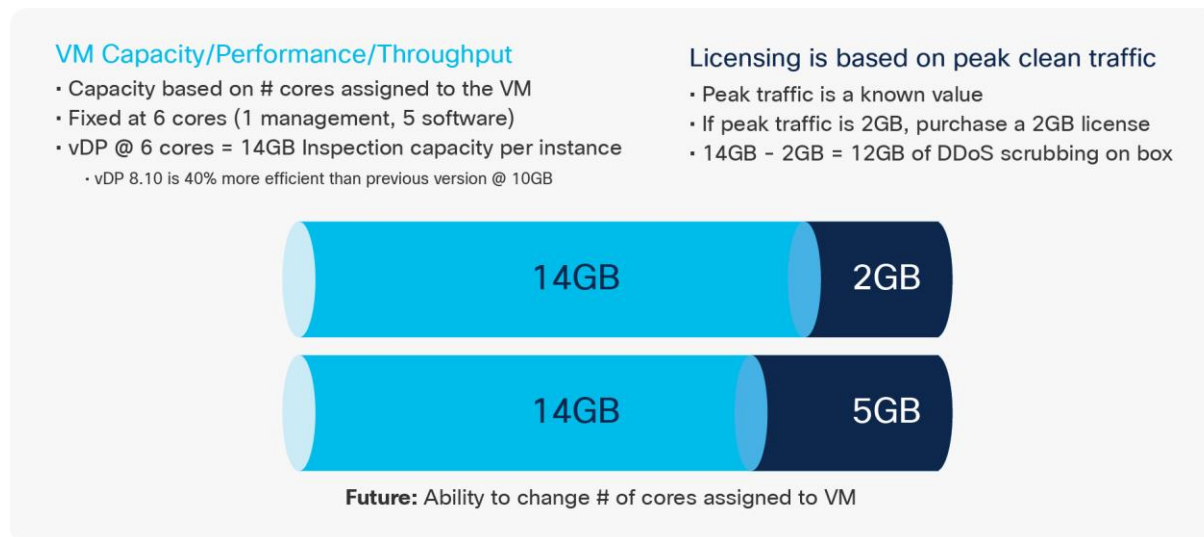

VM Capacity/Performance/Throughput
- Capacity based on # cores assigned to the VM
- Fixed at 6 cores (1 management, 5 software)
- vDP @ 6 cores = 14GB Inspection capacity per instance
  - vDP 8.10 is 40% more efficient than previous version @ 10GB

Licensing is based on peak clean traffic
- Peak traffic is a known value
- If peak traffic is 2GB, purchase a 2GB license
- 14GB - 2GB = 12GB of DDoS scrubbing on box

14GB   2GB

14GB   5GB

Future: Ability to change # of cores assigned to VM

Figure 3.
Capacity vs. licensing

Example 1: Client has a 10-GB WAN link with a daily peak traffic flow of 2 GB.

- Purchase a 2-GB license or higher if the traffic is expected to increase in the near future.

- vDP will be able to mitigate a DDoS attack up to the capacity of the WAN link's 10 GB, after which a cloud scrubbing solution will have to take over at the ISP level.
  - Radware can be set up to automatically notify a cloud scrubber to take over.
  - Radware's Emergency Response Team (ERT) can assist in configuring vDP for each customer as part of the standard Cisco ECMU support contract for vDP.
  - Radware cloud availability on GPL is on the roadmap.

- **Warning: Do not over-purchase or over-quote the client's throughput needs. License is based on clean traffic only, not the capacity of the VM.**

The vDP Software Licenses and Support SKUs

The following tables outline the product information and SKUs for ordering. Cisco is only OEMing the Virtual License for Radware Manager Vision. Customers may want additional Manager Options that are provided directly by Radware.

Table 9.   vDP spare SKUs: May be ordered separately

SKU	Description	Service ECMU SKU
L-FPR-RVDP-10G=	Radware Virtual Defense Pro 10-Gbps license for Firepower	CON-ECMU-LFPRRVG1
L-FPR-RVDP-5G=	Radware Virtual Defense Pro 5-Gbps license for Firepower	CON-ECMU-LFPR5RGV
L-FPR-RVDP-2G=	Radware Virtual Defense Pro 2-Gbps license for Firepower	CON-ECMU-LFPRRVG2
L-FPR-RVDP-1G=	Radware Virtual Defense Pro 1-Gbps license for Firepower	CON-ECMU-LFPRRVGP
L-FPR-RVDP-500M=	Radware Virtual Defense Pro 500-Mbps license for Firepower	CON-ECMU-LFPR5RVD
L-FPR-RVDP-200M=	Radware Virtual Defense Pro 200-Mbps license for Firepower	CON-ECMU-LFPR0RVD
L-RDWR-APV-VA=	Radware Manager Vision and Security Reporter (supports 10 vDP instances)	None
L-RDWR-APV-RTU6=	Radware Manager Vision Only (supports 60 vDP instances)	None

Table 10.   Regular SKUs: Orderable with the Cisco Firepower platform

SKU	Description	Service ECMU SKU
FPR-RVDP-10G	Radware Virtual Defense Pro 10-Gbps license for Firepower	CON-ECMU-LFPRRVG1
FPR-RVDP-5G	Radware Virtual Defense Pro 5-Gbps license for Firepower	CON-ECMU-LFPR5RGV
FPR-RVDP-2G	Radware Virtual Defense Pro 2-Gbps license for Firepower	CON-ECMU-LFPRRVG2
FPR-RVDP-1G	Radware Virtual Defense Pro 1-Gbps license for Firepower	CON-ECMU-LFPRRVGP
FPR-RVDP-500M	Radware Virtual Defense Pro 500-Mbps license for Firepower	CON-ECMU-LFPR5RVD
FPR-RVDP-200M	Radware Virtual Defense Pro 200-Mbps license for Firepower	CON-ECMU-LFPR0RVD

Notes:

- Radware vDP license are based on legitimate traffic. Please refer to the TDM deck for more details:
  - [Cisco Firepower with Radware DDoS TDM](#)
- L-RDWR-APV-VA includes both APSolute Vision with Security Reporter – 10 vDP.
- The CON Service SKUs should automatically be added to the cart with a 12-month term.
- Cisco will provide Level 0/1 to determine if problem is Cisco Firepower or vDP. All vDP issues will be escalated to Radware.

- Radware vDP clustering is currently only supported in the Cisco Firepower 9300 intrachassis configuration. This is clustering of multiple security modules (SM-24, SM-36, SM-44) within the same Cisco Firepower 9300 chassis.

- For High Availability (HA), Active-Active and Active-Standby modes are supported.

- Radware Vision Manager is a Virtual License and needs to be installed on its own server, not the Cisco Firepower platform. The recommended hardware and software for Radware Manager Vision are:

◦ VMware vSphere	ESXi 4.1	ESXi 5.1
◦ Processor	2 vCPUs	4vCPUs
◦ Memory	4 GB RAM	8 GB RAM
◦ Hard drive	50 GB HD	250 GB HD
◦ Networking	3 vNICs	3 vNICs

Radware vDP Ordering Steps

Ordering SPARE SKUs for existing equipment

Spare SKUs are provided (start with "L" and end in "=" sign) to allow you to order the vDP software license for existing equipment. These are the L-FPR-RVDP-10G=. 5G=, and 2G=, respectively.

1. Go to Cisco Commerce: https://apps.cisco.com/Commerce/home.

2. Create a new estimate or edit an old one.

3. In the "Search by SKU" box, paste in one of the SPARE SKUs. Or click on the "Find Products and Solutions" link to the right of the "Search by SKU" box.

   a. Typing in "Radware" in search box will return all active Radware SPARE SKUs.

Figure 4.
Find products and solutions

4. Once you find the SKU you need, then click the '+' sign to add it to the cart.

5. Next click on the "Edit Service/Subscription" link and set the term of the service contract.

Figure 5.
Edit service/subscription

6. A 12-month (1y) ECME contract is selected by default, but that can be increased up to 60 months (5y).

    a. Note: As of this writing, you have to visit the Edit Service/Subscription link and click done to accept the default 12-month service contract. Otherwise, the cart will produce an error.

7. If you do not already own Radware Vision Manager, please add to your order SKU: L-RDWR-APV-VA=.

    a. This is the Radware Manager Vision and Security Reporter with support for 10 vDP instances.

Cisco Secure Firewall Small Business Edition License Pack

Overview

To meet real-world needs of small business, Cisco Secure Firewall Small Business Edition is tailor-made to simplify security. Secure Firewall Small Business Edition licenses are available in 2 flavors and can ordered at the time of hardware purchase or as standalone license. See table below for Part Numbers.

Table 11. Small Business Edition – Included Feature Set

License Feature (Available in 3 Yr Term only)	SBE Lite	SBE Standard
Threat Protection, Malware and URL Filtering	Yes	Yes
Cisco Defense Orchestrator	Yes	Yes
Anyconnect Plus for Mobile Devices and or Desktops (50 Licenses)	Yes	Yes
SAL Logging and Troubleshooting	No	Yes

Platforms available

Table 12. Small Business Edition – Product Series Availability

Product Series	SBE Lite	SBE Standard
Firepower 1000 Series	Yes – Only on FPR1010	Yes – Only on FPR1010
All other platforms	Not Available	Not Available

SKUs and Ordering

Table 13. Small Business Edition – Part Numbers

Part Number	Description
FPR-SEC-TERM	Cisco Secure Firewall Term Licenses – For Distributors/Drop Ship Orders
FPR1010T-SBE	Cisco Secure Firewall FPR1010 Small Business Edition
FPR1010T-SBE-L	Cisco Secure Firewall FPR1010 Small Business Edition Lite without Logging
FPR1010T-SBE-3Y	Cisco FPR1010 Small Business Edition, 3Y Subs
FPR1010T-SBE-L-3Y	Cisco FPR1010 Small Business Edition Lite, 3Y Subs

Ordering Steps for Cisco Secure Small Business Edition

1. Start with one of the following Firepower 1010 SKU in CCW

   - **FPR1010-NGFW-K9**

2. Select "Edit Options"

3. Select Subscription for Small Business Edition or Small Business Edition Lite

   a. **FPR1010T-SBE**

   b. **FPR1010T-SBE-L**

4. Select Country

5. Save and exit configuration

Ordering Steps for Cisco Secure Small Business Edition for Distributors

1. Start with the following SKU in CCW

   - **FPR-SEC-TERM**

2. Select Subscription for Small Business Edition or Small Business Edition Lite

   a. FPR1010T-SBE

   b. FPR1010T-SBE-L

3. Save and exit configuration

Ordering vDP with the Cisco Firepower Platform

The non-spare versions of the SKUs are available options when ordering the 9300 or 4100 Cisco Firepower platform.

1. Go to Cisco Commerce: https://apps.cisco.com/Commerce/home.

2. Create a new estimate or edit an old one.

3. Add Cisco Firepower 9300 or 4100 as desired (example is of a 4120) and configure appropriately.

   a. As of January 2017, vDP now works with both ASA (minimum version 9.6.1) and Firepower Threat Defense (minimum version 6.2).

Figure 6.
Configuration options for Cisco Firepower 4120 platform

4. The Radware vDP SKUs are available under "Feature Licenses."

    a. When configuring a Firepower 9300, you will need 1 license of equal size for **each** blade.

Figure 7.
Feature licenses

5. When you make your selection, you will see the Service Contract and the Right-to-Use licenses are automatically added to the cart.

6. As with the SPARE license, you can change the length of the service contract by clicking the "Edit Service/Subscription" link. You will find the EMCU contract under the selected Radware SKU.

7. If you do not already own Radware Vision Manager, please add to your order SKU: L-RDWR-APV-VA=.

    a. This is the Radware Manager Vision and Security Reporter with support for 10 vDP instances.

Links and Resources for Radware vDP

For Cisco internal questions, please send an email to: ask-radware-ddos@external.cisco.com.

For Radware specific questions, please see: https://www.radware.com/Partners/TechnologyPartners/Cisco-Resources/.

SKUs and Ordering for Cisco Firepower 1000 Series

The following tables outline the product part number information for the Cisco Firepower 1000 Series. Note that the customer may want extra power supplies and fans. You can add these to the order separately. Table 13A and 13B provides the chassis part numbers for chassis running the ASA software and chassis running the Firepower Threat Defense (FTD) software. Note that software subscriptions can only be added to chassis running the FTD software. The chassis SKUs are automatically included in the bundle. The bundle also offers the part numbers for network modules, and Table 14 provides part numbers for accessories.

Table13A.   1000 Series Chassis Part Numbers

Part Number	Description
Bundles	
FPR1010-BUN	Cisco Firepower 1010 Master Bundle
FPR1120-BUN	Cisco Firepower 1120 Master Bundle
FPR1140-BUN	Cisco Firepower 1140 Master Bundle
FPR1010-FTD-HA-BUN	Cisco Firepower 1010 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR1120-FTD-HA-BUN	Cisco Firepower 1120 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR1140-FTD-HA-BUN	Cisco Firepower 1140 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR1150-FTD-HA-BUN	Cisco Firepower 1150 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)

Part Number	Description
Appliances	
FPR1010-NGFW-K9	Cisco Firepower 1010 NGFW Appliance, Desktop (runs FTD software + optional subscriptions)
FPR1120-NGFW-K9	Cisco Firepower 1120 NGFW Appliance, 1RU (runs FTD software + optional subscriptions)
FPR1140-NGFW-K9	Cisco Firepower 1140 NGFW Appliance, 1RU (runs FTD software + optional subscriptions)
FPR1150-NGFW-K9	Cisco Firepower 1150 NGFW Appliance, 1RU (runs FTD software + optional subscriptions)
FPR1010-ASA-K9	Cisco Firepower 1010 NGFW Appliance, Desktop (run ASA SW + Optional security plus license for High Availability)
FPR1120-ASA-K9	Cisco Firepower 1120 NGFW Appliance, 1RU (runs ASA software + optional security context license)
FPR1140-ASA-K9	Cisco Firepower 1140 NGFW Appliance, 1RU (runs ASA software + optional security context license)
FPR1150-ASA-K9	Cisco Firepower 1150 NGFW Appliance, 1RU (runs ASA software + optional security context license)

Table 13B.   1000 Series ASA Licenses and SKUs

Part Number	Description
ASA Standard License	
FPR1000-ASA	Cisco Firepower 1000 Standard ASA License
L-FPR1000-ASA=	Cisco Firepower 1000 Standard ASA License
Security Context Licenses	
L-FPR1K-ASASC-10=	Cisco Firepower 1000 – Add 10 Security Context Licenses
L-FPR1K-ASASC-5=	Cisco Firepower 1000 – Add 5 Security Context Licenses
Encryption Licenses	
L-FPR1K-ENC-K9=	Cisco Firepower 1K Series ASA Strong Encryption (3DES/AES)
FPR1010 Security Plus License (for HA)	
L-FPR1010-SEC-PL=	Cisco Firepower 1010 – Security Plus License

Table 14. 1000 Series Accessories Part Numbers

Part Number	Description
FPR1K-CBL-MGMT=	Cisco Firepower 1k Series Cable Mgmt Brackets 1120/1140/1150
FPR1K-DT-ACY-KIT=	Cisco Firepower 1K Series Accessory Kit for FPR-1010
FPR1K-DT-PWR-AC=	Cisco Firepower 1K Series 150W Power Adapter for FPR-1010
FPR1K-DT-RACK-MNT=	Cisco Firepower 1K Series Rackmount Kit for FPR-1010
FPR1K-DT-WALL-MNT=	Cisco Firepower 1K Series Wall Mount for FPR-1010
FPR1K-RM-ACY-KIT=	Cisco Firepower 1K Series Accessory Kit for FPR-1120/1140/1150
FPR1K-RM-BRKT=	Cisco Firepower 1K Series Rackmount Brackets - FPR-1120/1140/1150
FPR1K-RM-FIPS-KIT=	Cisco Firepower 1K Series FIPS Kits for FPR-1120/1140/1150
FPR1K-RM-SSD200=	Cisco Firepower 1K Series 200GB for FPR-1120/1140/1150

Note: Use these part numbers if the customer is ordering spare fans, power supplies, or a rack mount kit.

SKUs for 1000 Series Licenses and Subscriptions

When ordering a 1000 Series NGFW with the Cisco Firepower Threat Defense image, both licenses and a subscription to optional security services are required. Subscription terms are 1, 3, and 5 years, with the greatest price discount at 5 years. In the listed part numbers, the threat services are identified as follows:

Threat Subscription Abbreviations	Description
T	**Threat** (Security Intelligence and Cisco Firepower Next-Generation IPS)
M or AMP	Advanced **Malware** Protection for Networks (AMP)
C or URL	URL Filtering
1Y	**1-Year** Subscription
3Y	**3-Year** Subscription
5Y	**5-Year** Subscription

Table 15. Cisco Firepower 1000 Series License Part Numbers for Configurations with the Cisco Firepower Threat Defense Image for the Cisco Firepower NGFW

Part Number	Description
L-FPR1010T-AMP=	Cisco Firepower 1010 Threat Defense Malware Protection License
L-FPR1010T-T=	Cisco Firepower 1010 Threat Defense Threat Protection License
L-FPR1010T-TC=	Cisco Firepower 1010 Threat Defense Threat and URL License
L-FPR1010T-TM=	Cisco Firepower 1010 Threat Defense Threat and Malware License
L-FPR1010T-TMC=	Cisco Firepower 1010 Threat Defense Threat, Malware, and URL License
L-FPR1010T-URL=	Cisco Firepower 1010 Threat Defense URL Filtering License
L-FPR1120T-AMP=	Cisco Firepower 1120 Threat Defense Malware Protection License
L-FPR1120T-T=	Cisco Firepower 1120 Threat Defense Threat Protection License
L-FPR1120T-TC=	Cisco Firepower 1120 Threat Defense Threat and URL License
L-FPR1120T-TM=	Cisco Firepower 1120 Threat Defense Threat and Malware License
L-FPR1120T-TMC=	Cisco Firepower 1120 Threat Defense Threat, Malware, and URL License
L-FPR1120T-URL=	Cisco Firepower 1120 Threat Defense URL Filtering License
L-FPR1140T-AMP=	Cisco Firepower 1140 Threat Defense Malware Protection License
L-FPR1140T-T=	Cisco Firepower 1140 Threat Defense Threat Protection License
L-FPR1140T-TC=	Cisco Firepower 1140 Threat Defense Threat and URL License
L-FPR1140T-TM=	Cisco Firepower 1140 Threat Defense Threat and Malware License
L-FPR1140T-TMC=	Cisco Firepower 1140 Threat Defense Threat, Malware, and URL License
L-FPR1140T-URL=	Cisco Firepower 1140 Threat Defense URL Filtering License
L-FPR1150T-AMP=	Cisco Firepower 1150 Threat Defense Malware Protection License
L-FPR1150T-T=	Cisco Firepower 1150 Threat Defense Threat Protection License
L-FPR1150T-TC=	Cisco Firepower 1150 Threat Defense Threat and URL License
L-FPR1150T-TM=	Cisco Firepower 1150 Threat Defense Threat and Malware License
L-FPR1150T-TMC=	Cisco Firepower 1150 Threat Defense Threat, Malware, and URL License
L-FPR1150T-URL=	Cisco Firepower 1150 Threat Defense URL Filtering License

Table 16. Cisco Firepower 1000 Series Subscription Part Numbers for Configurations with the Firepower Threat Defense Image for Cisco Firepower NGFW

Part Number	Description
L-FPR1010T-AMP-1Y	Cisco Firepower 1010 Threat Defense Malware Protection 1Y Subscription
L-FPR1010T-AMP-3Y	Cisco Firepower 1010 Threat Defense Malware Protection 3Y Subscription
L-FPR1010T-AMP-5Y	Cisco Firepower 1010 Threat Defense Malware Protection 5Y Subscription
L-FPR1010T-T-1Y	Cisco Firepower 1010 Threat Defense Threat Protection 1Y Subscription
L-FPR1010T-T-3Y	Cisco Firepower 1010 Threat Defense Threat Protection 3Y Subscription
L-FPR1010T-T-5Y	Cisco Firepower 1010 Threat Defense Threat Protection 5Y Subscription
L-FPR1010T-TC-1Y	Cisco Firepower 1010 Threat Defense Threat and URL 1Y Subscription
L-FPR1010T-TC-3Y	Cisco Firepower 1010 Threat Defense Threat and URL 3Y Subscription
L-FPR1010T-TC-5Y	Cisco Firepower 1010 Threat Defense Threat and URL 5Y Subscription
L-FPR1010T-TM-1Y	Cisco Firepower 1010 Threat Defense Threat and Malware 1Y Subscription
L-FPR1010T-TM-3Y	Cisco Firepower 1010 Threat Defense Threat and Malware 3Y Subscription
L-FPR1010T-TM-5Y	Cisco Firepower 1010 Threat Defense Threat and Malware 5Y Subscription
L-FPR1010T-TMC-1Y	Cisco Firepower 1010 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR1010T-TMC-3Y	Cisco Firepower 1010 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR1010T-TMC-5Y	Cisco Firepower 1010 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR1010T-URL-1Y	Cisco Firepower 1010 Threat Defense URL Filtering 1Y Subscription
L-FPR1010T-URL-3Y	Cisco Firepower 1010 Threat Defense URL Filtering 3Y Subscription
L-FPR1010T-URL-5Y	Cisco Firepower 1010 Threat Defense URL Filtering 5Y Subscription
L-FPR1120T-AMP-1Y	Cisco Firepower 1120 Threat Defense Malware Protection 1Y Subscription
L-FPR1120T-AMP-3Y	Cisco Firepower 1120 Threat Defense Malware Protection 3Y Subscription
L-FPR1120T-AMP-5Y	Cisco Firepower 1120 Threat Defense Malware Protection 5Y Subscription
L-FPR1120T-T-1Y	Cisco Firepower 1120 Threat Defense Threat Protection 1Y Subscription
L-FPR1120T-T-3Y	Cisco Firepower 1120 Threat Defense Threat Protection 3Y Subscription
L-FPR1120T-T-5Y	Cisco Firepower 1120 Threat Defense Threat Protection 5Y Subscription
L-FPR1120T-TC-1Y	Cisco Firepower 1120 Threat Defense Threat and URL 1Y Subscription
L-FPR1120T-TC-3Y	Cisco Firepower 1120 Threat Defense Threat and URL 3Y Subscription

Part Number	Description
L-FPR1120T-TC-5Y	Cisco Firepower 1120 Threat Defense Threat and URL 5Y Subscription
L-FPR1120T-TM-1Y	Cisco Firepower 1120 Threat Defense Threat and Malware 1Y Subscription
L-FPR1120T-TM-3Y	Cisco Firepower 1120 Threat Defense Threat and Malware 3Y Subscription
L-FPR1120T-TM-5Y	Cisco Firepower 1120 Threat Defense Threat and Malware 5Y Subscription
L-FPR1120T-TMC-1Y	Cisco Firepower 1120 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR1120T-TMC-3Y	Cisco Firepower 1120 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR1120T-TMC-5Y	Cisco Firepower 1120 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR1120T-URL-1Y	Cisco Firepower 1120 Threat Defense URL Filtering 1Y Subscription
L-FPR1120T-URL-3Y	Cisco Firepower 1120 Threat Defense URL Filtering 3Y Subscription
L-FPR1120T-URL-5Y	Cisco Firepower 1120 Threat Defense URL Filtering 5Y Subscription
L-FPR1140T-AMP-1Y	Cisco Firepower 1140 Threat Defense Malware Protection 1Y Subscription
L-FPR1140T-AMP-3Y	Cisco Firepower 1140 Threat Defense Malware Protection 3Y Subscription
L-FPR1140T-AMP-5Y	Cisco Firepower 1140 Threat Defense Malware Protection 5Y Subscription
L-FPR1140T-T-1Y	Cisco Firepower 1140 Threat Defense Threat Protection 1Y Subscription
L-FPR1140T-T-3Y	Cisco Firepower 1140 Threat Defense Threat Protection 3Y Subscription
L-FPR1140T-T-5Y	Cisco Firepower 1140 Threat Defense Threat Protection 5Y Subscription
L-FPR1140T-TC-1Y	Cisco Firepower 1140 Threat Defense Threat and URL 1Y Subscription
L-FPR1140T-TC-3Y	Cisco Firepower 1140 Threat Defense Threat and URL 3Y Subscription
L-FPR1140T-TC-5Y	Cisco Firepower 1140 Threat Defense Threat and URL 5Y Subscription
L-FPR1140T-TM-1Y	Cisco Firepower 1140 Threat Defense Threat and Malware 1Y Subscription
L-FPR1140T-TM-3Y	Cisco Firepower 1140 Threat Defense Threat and Malware 3Y Subscription
L-FPR1140T-TM-5Y	Cisco Firepower 1140 Threat Defense Threat and Malware 5Y Subscription
L-FPR1140T-TMC-1Y	Cisco Firepower 1140 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR1140T-TMC-3Y	Cisco Firepower 1140 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR1140T-TMC-5Y	Cisco Firepower 1140 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR1140T-URL-1Y	Cisco Firepower 1140 Threat Defense URL Filtering 1Y Subscription
L-FPR1140T-URL-3Y	Cisco Firepower 1140 Threat Defense URL Filtering 3Y Subscription

Part Number	Description
L-FPR1140T-URL-5Y	Cisco Firepower 1140 Threat Defense URL Filtering 5Y Subscription
L-FPR1150T-AMP-1Y	Cisco FPR1150 Threat Defense Malware Protection 1Y Subs
L-FPR1150T-AMP-3Y	Cisco FPR1150 Threat Defense Malware Protection 3Y Subs
L-FPR1150T-AMP-5Y	Cisco FPR1150 Threat Defense Malware Protection 5Y Subs
L-FPR1150T-T-1Y	Cisco FPR1150 Threat Defense Threat Protection 1Y Subs
L-FPR1150T-T-3Y	Cisco FPR1150 Threat Defense Threat Protection 3Y Subs
L-FPR1150T-T-5Y	Cisco FPR1150 Threat Defense Threat Protection 5Y Subs
L-FPR1150T-TC-1Y	Cisco FPR1150 Threat Defense Threat and URL 1Y Subs
L-FPR1150T-TC-3Y	Cisco FPR1150 Threat Defense Threat and URL 3Y Subs
L-FPR1150T-TC-5Y	Cisco FPR1150 Threat Defense Threat and URL 5Y Subs
L-FPR1150T-TM-1Y	Cisco FPR1150 Threat Defense Threat and Malware 1Y Subs
L-FPR1150T-TM-3Y	Cisco FPR1150 Threat Defense Threat and Malware 3Y Subs
L-FPR1150T-TM-5Y	Cisco FPR1150 Threat Defense Threat and Malware 5Y Subs
L-FPR1150T-TMC-1Y	Cisco FPR1150 Threat Defense Threat, Malware and URL 1Y Subs
L-FPR1150T-TMC-3Y	Cisco FPR1150 Threat Defense Threat, Malware and URL 3Y Subs
L-FPR1150T-TMC-5Y	Cisco FPR1150 Threat Defense Threat, Malware and URL 5Y Subs
L-FPR1150T-URL-1Y	Cisco FPR1150 Threat Defense URL Filtering 1Y Subs
L-FPR1150T-URL-3Y	Cisco FPR1150 Threat Defense URL Filtering 3Y Subs
L-FPR1150T-URL-5Y	Cisco FPR1150 Threat Defense URL Filtering 5Y Subs

SKUs and Ordering for Cisco Firepower 2100 Series

The following tables outline the product part number information for the Cisco Firepower 2100 Series. Note that the customer may want extra power supplies and fans. You can add these to the order separately. Note that software subscriptions can only be added to chassis running the FTD software. The chassis SKUs are automatically included in the bundle. The bundle also offers the part numbers for network modules.

Table 17. 2100 Series chassis part numbers

Part Number	Description
PID	Description
Bundles	
FPR2110-BUN	Cisco Firepower 2110 Master Bundle
FPR2120-BUN	Cisco Firepower 2120 Master Bundle
FPR2130-BUN	Cisco Firepower 2130 Master Bundle
FPR2140-BUN	Cisco Firepower 2140 Master Bundle
FPR2110-FTD-HA-BUN	Cisco Firepower 2110 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR2120-FTD-HA-BUN	Cisco Firepower 2120 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR2130-FTD-HA-BUN	Cisco Firepower 2130 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR2140-FTD-HA-BUN	Cisco Firepower 2140 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
Appliances	
FPR2110-NGFW-K9	Cisco Firepower 2110 NGFW Appliance, 1RU (runs FTD software + optional subscriptions)
FPR2120-NGFW-K9	Cisco Firepower 2120 NGFW Appliance, 1RU (runs FTD software + optional subscriptions)
FPR2130-NGFW-K9	Cisco Firepower 2130 NGFW Appliance, 1RU, 1 x Network Module Bays (runs FTD software + optional subscriptions)
FPR2140-NGFW-K9	Cisco Firepower 2140 NGFW Appliance, 1RU, 1 x Network Module Bays (runs FTD software + optional subscriptions)
FPR2110-ASA-K9	Cisco Firepower 2110 ASA Appliance, 1RU (runs ASA software with optional security context license)
FPR2120-ASA-K9	Cisco Firepower 2120 ASA Appliance, 1RU (runs ASA software with optional security context license)
FPR2130-ASA-K9	Cisco Firepower 2130 ASA Appliance, 1RU, 1 x Network Module Bays (runs ASA software with optional security context license)

Part Number	Description
PID	Description
FPR2140-ASA-K9	Cisco Firepower 2140 ASA Appliance, 1RU, 1 x Network Module Bays (runs ASA software with optional security context license)
Netmods	
FPR2K-NM-8X10G	Cisco Firepower 8 port SFP+ Network Module
FPR2K-NM-8X10G=	Cisco Firepower 8 port SFP+ Network Module
FPR2K-NM-8X1G	Cisco Firepower 8-port SFP Network Module
FPR2K-NM-8X1G=	Cisco Firepower 8-port SFP FTW Network Module (Spare)
FPR2K-NM-8X1G-F	Cisco Firepower 8-port 1G Copper FTW Network Module
FPR2K-NM-8X1G-F=	Cisco Firepower 8-port 1G Copper FTW Network Module (Spare)
FPR2K-NM-6X10LR-F=	Cisco Firepower 6 port 10G LR FTW Network Module
FPR2K-NM-6X10LR-F	Cisco Firepower 6 port 10G LR FTW Network Module
FPR2K-NM-6X10SR-F=	Cisco Firepower 6 port 10G SR FTW Network Module
FPR2K-NM-6X10SR-F	Cisco Firepower 6 port 10G SR FTW Network Module
FPR2K-NM-6X1SX-F=	Cisco Firepower 6 port 1G SX Fiber FTW Network Module
FPR2K-NM-6X1SX-F	Cisco Firepower 6 port 1G SX Fiber FTW Network Module

Table 18. 2100 Series ASA software license SKUs

Part Number	Description
Multicontext License	
L-FPR2K-ASASC-10=	Cisco Firepower 2100 Add-on 10 security context licenses
L-FPR2K-ASASC-5=	Cisco Firepower 2100 add-on 5 security context licenses
Encryption License	
L-FPR2K-ENC-K9=	License to enable strong encryption for ASA on Cisco Firepower 2100 Series

Table 19. 2100 Series accessories part numbers

Part Number	Description
FPR2K-PWR-AC-400=	Firepower 2000 Series 400W AC Power Supply
FPR2K-PWR-DC-350=	Firepower 2000 Series 350W DC Power Supply
FPR2K-FAN=	Firepower 2000 Series Fan Tray
FPR2K-PSU-BLANK=	Firepower 2000 Series Chassis Power Supply Blank Slot Cover
FPR2K-NM-BLANK=	Firepower 2000 Series Network Module Blank Slot Cover
FPR2K-SSD100=	Firepower 2000 Series SSD for FPR-2110/2120
FPR2K-SSD200=	Firepower 2000 Series SSD for FPR-2130/2140
FPR2K-BBLKD=	Firepower 2000 Series SSD Carrier
FPR2K-RM-BRKT=	Firepower 2000 Rackmount Brackets
FPR2K-RAIL-BRKT=	Firepower 2000 Slide Rail Brackets
FPR2K-CBL-MGMT=	Firepower 2000 Cable Management Brackets
FPR-2100-FIPS-KIT=	Firepower 2000 FIPS Kit
FPR2K-SLIDE-RAILS=	Firepower 2000 Slide Rail Kit

Note: Use these part numbers if the customer is ordering spare fans, power supplies, or a rack mount kit.

SKUs for 2100 Series Licenses and Subscriptions

When ordering a 2100 Series NGFW with the Cisco Firepower Threat Defense image, both licenses and a subscription to optional security services are required. Subscription terms are 1, 3, and 5 years, with the greatest price discount at 5 years. In the listed part numbers, the threat services are identified as follows:

Threat Subscription Abbreviations	Description
T	**Threat** (Security Intelligence and Cisco Firepower Next-Generation IPS)
M or AMP	Advanced **Malware** Protection for Networks (AMP)
C or URL	URL Filtering
1Y	**1-Year** Subscription
3Y	**3-Year** Subscription
5Y	**5-Year** Subscription

Table 20. Cisco Firepower 2100 Series license part numbers for configurations with the Cisco Firepower Threat Defense image for the Cisco Firepower NGFW

Part Number	Description
L-FPR2110T-AMP=	Cisco Firepower 2110 Threat Defense Malware Protection License
L-FPR2110T-T=	Cisco Firepower 2110 Threat Defense Threat Protection License
L-FPR2110T-TC=	Cisco Firepower 2110 Threat Defense Threat and URL License
L-FPR2110T-TM=	Cisco Firepower 2110 Threat Defense Threat and Malware License
L-FPR2110T-TMC=	Cisco Firepower 2110 Threat Defense Threat, Malware, and URL License
L-FPR2110T-URL=	Cisco Firepower 2110 Threat Defense URL Filtering License
L-FPR2120T-AMP=	Cisco Firepower 2120 Threat Defense Malware Protection License
L-FPR2120T-T=	Cisco Firepower 2120 Threat Defense Threat Protection License
L-FPR2120T-TC=	Cisco Firepower 2120 Threat Defense Threat and URL License
L-FPR2120T-TM=	Cisco Firepower 2120 Threat Defense Threat and Malware License
L-FPR2120T-TMC=	Cisco Firepower 2120 Threat Defense Threat, Malware, and URL License
L-FPR2120T-URL=	Cisco Firepower 2120 Threat Defense URL Filtering License
L-FPR2130T-AMP=	Cisco Firepower 2130 Threat Defense Malware Protection License
L-FPR2130T-T=	Cisco Firepower 2130 Threat Defense Threat Protection License
L-FPR2130T-TC=	Cisco Firepower 2130 Threat Defense Threat and URL License
L-FPR2130T-TM=	Cisco Firepower 2130 Threat Defense Threat and Malware License
L-FPR2130T-TMC=	Cisco Firepower 2130 Threat Defense Threat, Malware, and URL License
L-FPR2130T-URL=	Cisco Firepower 2130 Threat Defense URL Filtering License
L-FPR2140T-AMP=	Cisco Firepower 2140 Threat Defense Malware Protection License
L-FPR2140T-T=	Cisco Firepower 2140 Threat Defense Threat Protection License
L-FPR2140T-TC=	Cisco Firepower 2140 Threat Defense Threat and URL License
L-FPR2140T-TM=	Cisco Firepower 2140 Threat Defense Threat and Malware License
L-FPR2140T-TMC=	Cisco Firepower 2140 Threat Defense Threat, Malware, and URL License
L-FPR2140T-URL=	Cisco Firepower 2140 Threat Defense URL Filtering License

Table 21.   Cisco Firepower 2100 Series subscription part numbers for configurations with the Firepower Threat Defense image for Cisco Firepower NGFW

Part Number	Description
L-FPR2110T-AMP-1Y	Cisco Firepower 2110 Threat Defense Malware Protection 1Y Subscription
L-FPR2110T-AMP-3Y	Cisco Firepower 2110 Threat Defense Malware Protection 3Y Subscription
L-FPR2110T-AMP-5Y	Cisco Firepower 2110 Threat Defense Malware Protection 5Y Subscription
L-FPR2110T-T-1Y	Cisco Firepower 2110 Threat Defense Threat Protection 1Y Subscription
L-FPR2110T-T-3Y	Cisco Firepower 2110 Threat Defense Threat Protection 3Y Subscription
L-FPR2110T-T-5Y	Cisco Firepower 2110 Threat Defense Threat Protection 5Y Subscription
L-FPR2110T-TC-1Y	Cisco Firepower 2110 Threat Defense Threat and URL 1Y Subscription
L-FPR2110T-TC-3Y	Cisco Firepower 2110 Threat Defense Threat and URL 3Y Subscription
L-FPR2110T-TC-5Y	Cisco Firepower 2110 Threat Defense Threat and URL 5Y Subscription
L-FPR2110T-TM-1Y	Cisco Firepower 2110 Threat Defense Threat and Malware 1Y Subscription
L-FPR2110T-TM-3Y	Cisco Firepower 2110 Threat Defense Threat and Malware 3Y Subscription
L-FPR2110T-TM-5Y	Cisco Firepower 2110 Threat Defense Threat and Malware 5Y Subscription
L-FPR2110T-TMC-1Y	Cisco Firepower 2110 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR2110T-TMC-3Y	Cisco Firepower 2110 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR2110T-TMC-5Y	Cisco Firepower 2110 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR2110T-URL-1Y	Cisco Firepower 2110 Threat Defense URL Filtering 1Y Subscription
L-FPR2110T-URL-3Y	Cisco Firepower 2110 Threat Defense URL Filtering 3Y Subscription
L-FPR2110T-URL-5Y	Cisco Firepower 2110 Threat Defense URL Filtering 5Y Subscription
L-FPR2120T-AMP-1Y	Cisco Firepower 2120 Threat Defense Malware Protection 1Y Subscription
L-FPR2120T-AMP-3Y	Cisco Firepower 2120 Threat Defense Malware Protection 3Y Subscription
L-FPR2120T-AMP-5Y	Cisco Firepower 2120 Threat Defense Malware Protection 5Y Subscription
L-FPR2120T-T-1Y	Cisco Firepower 2120 Threat Defense Threat Protection 1Y Subscription
L-FPR2120T-T-3Y	Cisco Firepower 2120 Threat Defense Threat Protection 3Y Subscription
L-FPR2120T-T-5Y	Cisco Firepower 2120 Threat Defense Threat Protection 5Y Subscription

Part Number	Description
L-FPR2120T-TC-1Y	Cisco Firepower 2120 Threat Defense Threat and URL 1Y Subscription
L-FPR2120T-TC-3Y	Cisco Firepower 2120 Threat Defense Threat and URL 3Y Subscription
L-FPR2120T-TC-5Y	Cisco Firepower 2120 Threat Defense Threat and URL 5Y Subscription
L-FPR2120T-TM-1Y	Cisco Firepower 2120 Threat Defense Threat and Malware 1Y Subscription
L-FPR2120T-TM-3Y	Cisco Firepower 2120 Threat Defense Threat and Malware 3Y Subscription
L-FPR2120T-TM-5Y	Cisco Firepower 2120 Threat Defense Threat and Malware 5Y Subscription
L-FPR2120T-TMC-1Y	Cisco Firepower 2120 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR2120T-TMC-3Y	Cisco Firepower 2120 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR2120T-TMC-5Y	Cisco Firepower 2120 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR2120T-URL-1Y	Cisco Firepower 2120 Threat Defense URL Filtering 1Y Subscription
L-FPR2120T-URL-3Y	Cisco Firepower 2120 Threat Defense URL Filtering 3Y Subscription
L-FPR2120T-URL-5Y	Cisco Firepower 2120 Threat Defense URL Filtering 5Y Subscription
L-FPR2130T-AMP-1Y	Cisco Firepower 2130 Threat Defense Malware Protection 1Y Subscription
L-FPR2130T-AMP-3Y	Cisco Firepower 2130 Threat Defense Malware Protection 3Y Subscription
L-FPR2130T-AMP-5Y	Cisco Firepower 2130 Threat Defense Malware Protection 5Y Subscription
L-FPR2130T-T-1Y	Cisco Firepower 2130 Threat Defense Threat Protection 1Y Subscription
L-FPR2130T-T-3Y	Cisco Firepower 2130 Threat Defense Threat Protection 3Y Subscription
L-FPR2130T-T-5Y	Cisco Firepower 2130 Threat Defense Threat Protection 5Y Subscription
L-FPR2130T-TC-1Y	Cisco Firepower 2130 Threat Defense Threat and URL 1Y Subscription
L-FPR2130T-TC-3Y	Cisco Firepower 2130 Threat Defense Threat and URL 3Y Subscription
L-FPR2130T-TC-5Y	Cisco Firepower 2130 Threat Defense Threat and URL 5Y Subscription
L-FPR2130T-TM-1Y	Cisco Firepower 2130 Threat Defense Threat and Malware 1Y Subscription
L-FPR2130T-TM-3Y	Cisco Firepower 2130 Threat Defense Threat and Malware 3Y Subscription
L-FPR2130T-TM-5Y	Cisco Firepower 2130 Threat Defense Threat and Malware 5Y Subscription
L-FPR2130T-TMC-1Y	Cisco Firepower 2130 Threat Defense Threat, Malware, and URL 1Y Subscription

Part Number	Description
L-FPR2130T-TMC-3Y	Cisco Firepower 2130 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR2130T-TMC-5Y	Cisco Firepower 2130 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR2130T-URL-1Y	Cisco Firepower 2130 Threat Defense URL Filtering 1Y Subscription
L-FPR2130T-URL-3Y	Cisco Firepower 2130 Threat Defense URL Filtering 3Y Subscription
L-FPR2130T-URL-5Y	Cisco Firepower 2130 Threat Defense URL Filtering 5Y Subscription
L-FPR2140T-AMP-1Y	Cisco Firepower 2140 Threat Defense Malware Protection 1Y Subscription
L-FPR2140T-AMP-3Y	Cisco Firepower 2140 Threat Defense Malware Protection 3Y Subscription
L-FPR2140T-AMP-5Y	Cisco Firepower 2140 Threat Defense Malware Protection 5Y Subscription
L-FPR2140T-T-1Y	Cisco Firepower 2140 Threat Defense Threat Protection 1Y Subscription
L-FPR2140T-T-3Y	Cisco Firepower 2140 Threat Defense Threat Protection 3Y Subscription
L-FPR2140T-T-5Y	Cisco Firepower 2140 Threat Defense Threat Protection 5Y Subscription
L-FPR2140T-TC-1Y	Cisco Firepower 2140 Threat Defense Threat and URL 1Y Subscription
L-FPR2140T-TC-3Y	Cisco Firepower 2140 Threat Defense Threat and URL 3Y Subscription
L-FPR2140T-TC-5Y	Cisco Firepower 2140 Threat Defense Threat and URL 5Y Subscription
L-FPR2140T-TM-1Y	Cisco Firepower 2140 Threat Defense Threat and Malware 1Y Subscription
L-FPR2140T-TM-3Y	Cisco Firepower 2140 Threat Defense Threat and Malware 3Y Subscription
L-FPR2140T-TM-5Y	Cisco Firepower 2140 Threat Defense Threat and Malware 5Y Subscription
L-FPR2140T-TMC-1Y	Cisco Firepower 2140 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR2140T-TMC-3Y	Cisco Firepower 2140 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR2140T-TMC-5Y	Cisco Firepower 2140 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR2140T-URL-1Y	Cisco Firepower 2140 Threat Defense URL Filtering 1Y Subscription
L-FPR2140T-URL-3Y	Cisco Firepower 2140 Threat Defense URL Filtering 3Y Subscription
L-FPR2140T-URL-5Y	Cisco Firepower 2140 Threat Defense URL Filtering 5Y Subscription

SKUs and Ordering for Cisco Firepower 4100 Series

The following tables outline the product part number information for the Cisco Firepower 4100 Series. Note that the customer may want extra power supplies and fans.

Table 22. 4100 Series chassis part numbers

Part Number	Description
PID	Description
FPR4110-BUN	Cisco Firepower 4110 Master Bundle
FPR4120-BUN	Cisco Firepower 4120 Master Bundle
FPR4140-BUN	Cisco Firepower 4140 Master Bundle
FPR4150-BUN	Cisco Firepower 4150 Master Bundle
FPR4125-BUN	Cisco Firepower 4125 Master Bundle
FPR4145-BUN	Cisco Firepower 4145 Master Bundle
FPR4110-FTD-HA-BUN	Cisco Firepower 4110 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR4120-FTD-HA-BUN	Cisco Firepower 4120 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR4140-FTD-HA-BUN	Cisco Firepower 4140 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR4150-FTD-HA-BUN	Cisco Firepower 4150 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR4115-FTD-HA-BUN	Cisco Firepower 4115 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR4125-FTD-HA-BUN	Cisco Firepower 4125 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR4145-FTD-HA-BUN	Cisco Firepower 4145 Two Unit High Availability Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
FPR4110-ASA-K9	Cisco Firepower 4110 ASA Appliance, 1RU, 2 x Network Module Bays
FPR4110-NGFW-K9	Cisco Firepower 4110 NGFW Appliance, 1RU, 2 x Network Module Bays
FPR4110-NGIPS-K9	Cisco Firepower 4110 NGIPS Appliance, 1RU, 2 x Network Module Bays
FPR4110-AMP-K9	Cisco Firepower 4110 AMP Appliance, 1RU, 2 x Network Module Bays
FPR4120-ASA-K9	Cisco Firepower 4120 ASA Appliance, 1RU, 2 x Network Module Bays
FPR4115-ASA-K9	Cisco Firepower 4115 ASA Appliance, 1RU, 2 x Network Module Bays
FPR4115-NGFW-K9	Cisco Firepower 4115 NGFW Appliance, 1RU, 2 x Network Module Bays

Part Number	Description
PID	Description
FPR4115-NGIPS-K9	Cisco Firepower 4115 NGIPS Appliance, 1RU, 2 x Network Module Bays
FPR4120-NGFW-K9	Cisco Firepower 4120 NGFW Appliance, 1RU, 2 x Network Module Bays
FPR4120-NGIPS-K9	Cisco Firepower 4120 NGIPS Appliance, 1RU, 2 x Network Module Bays
FPR4120-AMP-K9	Cisco Firepower 4120 AMP Appliance, 1RU, 2 x Network Module Bays
FPR4125-ASA-K9	Cisco Firepower 4125 ASA Appliance, 1RU, 2 x Network Module Bays
FPR4125-NGFW-K9	Cisco Firepower 4125 NGFW Appliance, 1RU, 2 x Network Module Bays
FPR4125-NGIPS-K9	Cisco Firepower 4125 NGIPS Appliance, 1RU, 2 x Network Module Bays
FPR4140-ASA-K9	Cisco Firepower 4140 ASA Appliance, 1RU, 2 Network Module Bays
FPR4140-NGFW-K9	Cisco Firepower 4140 NGFW Appliance, 1RU, 2 x Network Module Bays
FPR4140-NGIPS-K9	Cisco Firepower 4140 NGIPS Appliance, 1RU, 2 x Network Module Bays
FPR4140-AMP-K9	Cisco Firepower 4140 AMP Appliance, 1RU, 2 x Network Module Bays
FPR4145-ASA-K9	Cisco Firepower 4145 ASA Appliance, 1RU, 2 x Network Module Bays
FPR4145-NGFW-K9	Cisco Firepower 4145 NGFW Appliance, 1RU, 2 x Network Module Bays
FPR4145-NGIPS-K9	Cisco Firepower 4145 NGIPS Appliance, 1RU, 2 x Network Module Bays
FPR4150-ASA-K9	Cisco Firepower 4150 ASA Appliance, 1RU, 2 Network Module Bays
FPR4150-NGFW-K9	Cisco Firepower 4150 NGFW Appliance, 1RU, 2 x Network Module Bays
FPR4150-NGIPS-K9	Cisco Firepower 4150 NGIPS Appliance, 1RU, 2 x Network Module Bays
FPR4150-AMP-K9	Cisco Firepower 4150 AMP Appliance, 1RU, 2 x Network Module Bays

Note: USE THE BUNDLE PART NUMBER UNLESS YOU HAVE AN EXPLICIT REASON NOT TO. THE BUNDLE PID ENSURES THAT ALL NECESSARY COMPONENTS ARE PURCHASED.

Table 23.   4100 Series network module part numbers

Part Number	Description
FPR4K-NM-2X40G-F	Cisco Firepower 2-port 40G SR FTW Network Module
FPR4K-NM-2X40G-F=	Cisco Firepower 2-port 40G SR FTW Network Module
FPR4K-NM-4X40G	Cisco Firepower 4-port QSFP+ Network Module
FPR4K-NM-4X40G=	Cisco Firepower 4-port QSFP+ Network Module
FPR4K-NM-6X10LR-F	Cisco Firepower 6-port 10G LR FTW Network Module
FPR4K-NM-6X10LR-F=	Cisco Firepower 6-port 10G LR FTW Network Module
FPR4K-NM-6X10SR-F	Cisco Firepower 6-port 10G SR FTW Network Module
FPR4K-NM-6X10SR-F=	Cisco Firepower 6-port 10G SR FTW Network Module
FPR4K-NM-6X1SX-F	Cisco Firepower 6-port 1G SX Fiber FTW Network Module
FPR4K-NM-6X1SX-F=	Cisco Firepower 6-port 1G SX Fiber FTW Network Module
FPR4K-NM-8X10G	Cisco Firepower 8-port SFP+ Network Module
FPR4K-NM-8X10G=	Cisco Firepower 8-port SFP+ Network Module
FPR4K-NM-8X1G-F	Cisco Firepower 8-port 1Gbps copper FTW Network Module
FPR4K-NM-8X1G-F=	Cisco Firepower 8-port 1Gbps copper FTW Network Module

Table 24.   4100 Series accessories part numbers

Part Number	Description
FPR4K-FAN	Cisco Firepower 4000 Series Fan
FPR4K-FAN=	Cisco Firepower 4000 Series Fan
FPR4K-NM-BLANK	Cisco Firepower 4000 Series Network Module Blank Slot Cover
FPR4K-NM-BLANK=	Cisco Firepower 4000 Series Network Module Blank Slot Cover
FPR4K-PSU-BLANK	Cisco Firepower 4000 Series Chassis Power Supply Blank Slot Cover
FPR4K-PSU-BLANK=	Cisco Firepower 4000 Series Chassis Power Supply Blank Slot Cover
FPR4K-PWR-AC-1100	Cisco Firepower 4000 Series 1100W AC Power Supply
FPR4K-PWR-AC-1100=	Cisco Firepower 4000 Series 1100W AC Power Supply
FPR4K-PWR-DC-950	Cisco Firepower 4000 Series 950W DC Power Supply
FPR4K-PWR-DC-950=	Cisco Firepower 4000 Series 950W DC Power Supply

Part Number	Description
FPR4K-RACK-MNT	Cisco Firepower 4000 Series Rack Mount Kit
FPR4K-RACK-MNT=	Cisco Firepower 4000 Series Rack Mount Kit
FPR4K-SSD-BBLKD	Cisco Firepower 4000 Series SSD Slot Carrier
FPR4K-SSD-BBLKD=	Cisco Firepower 4000 Series SSD Slot Carrier
FPR4K-SSD200	Cisco Firepower 4000 Series SSD for 4110 and 4120
FPR4K-SSD200=	Cisco Firepower 4000 Series SSD for 4110 and 4120
FPR4K-SSD400	Cisco Firepower 4000 Series SSD for 4140 and 4150
FPR4K-SSD400=	Cisco Firepower 4000 Series SSD for 4140 and 4150
FPR4K-SSD800	Cisco Firepower 4000 Series 800GB SSD
FPR4K-SSD800=	Cisco Firepower 4000 Series 800GB SSD
FPR4K-ACC-KIT	Cisco Firepower 4000 Series Hardware Accessory Kit (Rack Mounts, Cables)
FPR4K-ACC-KIT=	Cisco Firepower 4000 Series Hardware Accessory Kit (Rack Mounts, Cables)
FPR4K-ACC-KIT2	Cisco Firepower 4115/25/45 Hardware Accessory Kit
FPR4K-ACC-KIT2=	Cisco Firepower 4115/25/45 Hardware Accessory Kit
FPR4K-CBL-MGMT	Cisco Firepower 4100 Series Cable Management Kit
FPR4K-CBL-MGMT=	Cisco Firepower 4100 Series Cable Management Kit

Note: Use these part numbers if the customer is ordering spare fans, power supplies, or a rack mount kit.

SKUs for 4100 Series Licenses and Subscriptions

When ordering a 4100 Series firewall with the ASA configuration, a license is required. When ordering a 4100 Series NGFW with the Cisco Firepower Threat Defense image, both licenses and a subscription to optional security services are required. Subscription terms are 1, 3, and 5 years, with the greatest price discount at 5 years. In the listed part numbers, the threat services are identified as follows:

Threat Subscription Abbreviations	Description
T	**Threat** (Security Intelligence and Cisco Firepower Next-Generation IPS)
M or AMP	Advanced **Malware** Protection for Networks (AMP)
C or URL	URL Filtering

Threat Subscription Abbreviations	Description
1Y	**1-Year** Subscription
3Y	**3-Year** Subscription
5Y	**5-Year** Subscription

Table 25. Cisco Firepower 4100 Series license part numbers for configurations with the Cisco Firepower Threat Defense image for the Cisco Firepower NGFW

Part Number	Description
L-FPR4110T-AMP=	Cisco Firepower 4110 Threat Defense Malware Protection License
L-FPR4110T-T=	Cisco Firepower 4110 Threat Defense Threat Protection License
L-FPR4110T-TC=	Cisco Firepower 4110 Threat Defense Threat and URL License
L-FPR4110T-TM=	Cisco Firepower 4110 Threat Defense Threat and Malware License
L-FPR4110T-TMC=	Cisco Firepower 4110 Threat Defense Threat, Malware, and URL License
L-FPR4110T-URL=	Cisco Firepower 4110 Threat Defense URL Filtering License
L-FPR4115T-AMP=	Cisco Firepower 4115 Threat Defense Malware Protection License
L-FPR4115T-T=	Cisco Firepower 4115 Threat Defense Threat Protection License
L-FPR4115T-TC=	Cisco Firepower 4115 Threat Defense Threat and URL License
L-FPR4115T-TM=	Cisco Firepower 4115 Threat Defense Threat and Malware License
L-FPR4115T-TMC=	Cisco Firepower 4115 Threat Defense Threat, Malware, and URL License
L-FPR4115T-URL=	Cisco Firepower 4115 Threat Defense URL Filtering License
L-FPR4120T-AMP=	Cisco Firepower 4120 Threat Defense Malware Protection License
L-FPR4120T-T=	Cisco Firepower 4120 Threat Defense Threat Protection License
L-FPR4120T-TC=	Cisco Firepower 4120 Threat Defense Threat and URL License
L-FPR4120T-TM=	Cisco Firepower 4120 Threat Defense Threat and Malware License
L-FPR4120T-TMC=	Cisco Firepower 4120 Threat Defense Threat, Malware, and URL License
L-FPR4120T-URL=	Cisco Firepower 4120 Threat Defense URL Filtering License
L-FPR4125T-AMP=	Cisco Firepower 4125 Threat Defense Malware Protection License
L-FPR4125T-T=	Cisco Firepower 4125 Threat Defense Threat Protection License
L-FPR4125T-TC=	Cisco Firepower 4125 Threat Defense Threat and URL License
L-FPR4125T-TM=	Cisco Firepower 4125 Threat Defense Threat and Malware License

Part Number	Description
L-FPR4125T-TMC=	Cisco Firepower 4125 Threat Defense Threat, Malware, and URL License
L-FPR4125T-URL=	Cisco Firepower 4125 Threat Defense URL Filtering License
L-FPR4140T-AMP=	Cisco Firepower 4140 Threat Defense Malware Protection License
L-FPR4140T-T=	Cisco Firepower 4140 Threat Defense Threat Protection License
L-FPR4140T-TC=	Cisco Firepower 4140 Threat Defense Threat and URL License
L-FPR4140T-TM=	Cisco Firepower 4140 Threat Defense Threat and Malware License
L-FPR4140T-TMC=	Cisco Firepower 4140 Threat Defense Threat, Malware, and URL License
L-FPR4140T-URL=	Cisco Firepower 4140 Threat Defense URL Filtering License
L-FPR4145T-AMP=	Cisco Firepower 4145 Threat Defense Malware Protection License
L-FPR4145T-T=	Cisco Firepower 4145 Threat Defense Threat Protection License
L-FPR4145T-TC=	Cisco Firepower 4145 Threat Defense Threat and URL License
L-FPR4145T-TM=	Cisco Firepower 4145 Threat Defense Threat and Malware License
L-FPR4145T-TMC=	Cisco Firepower 4145 Threat Defense Threat, Malware, and URL License
L-FPR4145T-URL=	Cisco Firepower 4145 Threat Defense URL Filtering License
L-FPR4150T-AMP=	Cisco Firepower 4150 Threat Defense Malware Protection License
L-FPR4150T-T=	Cisco Firepower 4150 Threat Defense Threat Protection License
L-FPR4150T-TC=	Cisco Firepower 4150 Threat Defense Threat and URL License
L-FPR4150T-TM=	Cisco Firepower 4150 Threat Defense Threat and Malware License
L-FPR4150T-TMC=	Cisco Firepower 4150 Threat Defense Threat, Malware, and URL License
L-FPR4150T-URL=	Cisco Firepower 4150 Threat Defense URL Filtering License

Table 26. Cisco Firepower 4100 Series subscription part numbers for configurations with the Firepower Threat Defense image for Cisco Firepower NGFW

Part Number	Description
L-FPR4110T-AMP-1Y	Cisco Firepower 4110 Threat Defense Malware Protection 1Y Subscription
L-FPR4110T-AMP-3Y	Cisco Firepower 4110 Threat Defense Malware Protection 3Y Subscription
L-FPR4110T-AMP-5Y	Cisco Firepower 4110 Threat Defense Malware Protection 5Y Subscription
L-FPR4110T-T-1Y	Cisco Firepower 4110 Threat Defense Threat Protection 1Y Subscription
L-FPR4110T-T-3Y	Cisco Firepower 4110 Threat Defense Threat Protection 3Y Subscription
L-FPR4110T-T-5Y	Cisco Firepower 4110 Threat Defense Threat Protection 5Y Subscription
L-FPR4110T-TC-1Y	Cisco Firepower 4110 Threat Defense Threat and URL 1Y Subscription
L-FPR4110T-TC-3Y	Cisco Firepower 4110 Threat Defense Threat and URL 3Y Subscription
L-FPR4110T-TC-5Y	Cisco Firepower 4110 Threat Defense Threat and URL 5Y Subscription
L-FPR4110T-TM-1Y	Cisco Firepower 4110 Threat Defense Threat and Malware 1Y Subscription
L-FPR4110T-TM-3Y	Cisco Firepower 4110 Threat Defense Threat and Malware 3Y Subscription
L-FPR4110T-TM-5Y	Cisco Firepower 4110 Threat Defense Threat and Malware 5Y Subscription
L-FPR4110T-TMC-1Y	Cisco Firepower 4110 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR4110T-TMC-3Y	Cisco Firepower 4110 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR4110T-TMC-5Y	Cisco Firepower 4110 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR4110T-URL-1Y	Cisco Firepower 4110 Threat Defense URL Filtering 1Y Subscription
L-FPR4110T-URL-3Y	Cisco Firepower 4110 Threat Defense URL Filtering 3Y Subscription
L-FPR4110T-URL-5Y	Cisco Firepower 4110 Threat Defense URL Filtering 5Y Subscription
L-FPR4115T-AMP-1Y	Cisco Firepower 4115 Threat Defense Malware Protection 1Y Subscription
L-FPR4115T-AMP-3Y	Cisco Firepower 4115 Threat Defense Malware Protection 3Y Subscription
L-FPR4115T-AMP-5Y	Cisco Firepower 4115 Threat Defense Malware Protection 5Y Subscription
L-FPR4115T-T-1Y	Cisco Firepower 4115 Threat Defense Threat Protection 1Y Subscription
L-FPR4115T-T-3Y	Cisco Firepower 4115 Threat Defense Threat Protection 3Y Subscription
L-FPR4115T-T-5Y	Cisco Firepower 4115 Threat Defense Threat Protection 5Y Subscription

Part Number	Description
L-FPR4115T-TC-1Y	Cisco Firepower 4115 Threat Defense Threat and URL 1Y Subscription
L-FPR4115T-TC-3Y	Cisco Firepower 4115 Threat Defense Threat and URL 3Y Subscription
L-FPR4115T-TC-5Y	Cisco Firepower 4115 Threat Defense Threat and URL 5Y Subscription
L-FPR4115T-TM-1Y	Cisco Firepower 4115 Threat Defense Threat and Malware 1Y Subscription
L-FPR4115T-TM-3Y	Cisco Firepower 4115 Threat Defense Threat and Malware 3Y Subscription
L-FPR4115T-TM-5Y	Cisco Firepower 4115 Threat Defense Threat and Malware 5Y Subscription
L-FPR4115T-TMC-1Y	Cisco Firepower 4115 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR4115T-TMC-3Y	Cisco Firepower 4115 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR4115T-TMC-5Y	Cisco Firepower 4115 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR4115T-URL-1Y	Cisco Firepower 4115 Threat Defense URL Filtering 1Y Subscription
L-FPR4115T-URL-3Y	Cisco Firepower 4115 Threat Defense URL Filtering 3Y Subscription
L-FPR4115T-URL-5Y	Cisco Firepower 4110 Threat Defense URL Filtering 5Y Subscription
L-FPR4120T-AMP-1Y	Cisco Firepower 4120 Threat Defense Malware Protection 1Y Subscription
L-FPR4120T-AMP-3Y	Cisco Firepower 4120 Threat Defense Malware Protection 3Y Subscription
L-FPR4120T-AMP-5Y	Cisco Firepower 4120 Threat Defense Malware Protection 5Y Subscription
L-FPR4120T-T-1Y	Cisco Firepower 4120 Threat Defense Threat Protection 1Y Subscription
L-FPR4120T-T-3Y	Cisco Firepower 4120 Threat Defense Threat Protection 3Y Subscription
L-FPR4120T-T-5Y	Cisco Firepower 4120 Threat Defense Threat Protection 5Y Subscription
L-FPR4120T-TC-1Y	Cisco Firepower 4120 Threat Defense Threat and URL 1Y Subscription
L-FPR4120T-TC-3Y	Cisco Firepower 4120 Threat Defense Threat and URL 3Y Subscription
L-FPR4120T-TC-5Y	Cisco Firepower 4120 Threat Defense Threat and URL 5Y Subscription
L-FPR4120T-TM-1Y	Cisco Firepower 4120 Threat Defense Threat and Malware 1Y Subscription
L-FPR4120T-TM-3Y	Cisco Firepower 4120 Threat Defense Threat and Malware 3Y Subscription
L-FPR4120T-TM-5Y	Cisco Firepower 4120 Threat Defense Threat and Malware 5Y Subscription

Part Number	Description
L-FPR4120T-TMC-1Y	Cisco Firepower 4120 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR4120T-TMC-3Y	Cisco Firepower 4120 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR4120T-TMC-5Y	Cisco Firepower 4120 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR4120T-URL-1Y	Cisco Firepower 4120 Threat Defense URL Filtering 1Y Subscription
L-FPR4120T-URL-3Y	Cisco Firepower 4120 Threat Defense URL Filtering 3Y Subscription
L-FPR4120T-URL-5Y	Cisco Firepower 4120 Threat Defense URL Filtering 5Y Subscription
L-FPR4125T-AMP-1Y	Cisco Firepower 4125 Threat Defense Malware Protection 1Y Subscription
L-FPR4125T-AMP-3Y	Cisco Firepower 4125 Threat Defense Malware Protection 3Y Subscription
L-FPR4125T-AMP-5Y	Cisco Firepower 4125 Threat Defense Malware Protection 5Y Subscription
L-FPR4125T-T-1Y	Cisco Firepower 4125 Threat Defense Threat Protection 1Y Subscription
L-FPR4125T-T-3Y	Cisco Firepower 4125 Threat Defense Threat Protection 3Y Subscription
L-FPR4125T-T-5Y	Cisco Firepower 4125 Threat Defense Threat Protection 5Y Subscription
L-FPR4125T-TC-1Y	Cisco Firepower 4125 Threat Defense Threat and URL 1Y Subscription
L-FPR4125T-TC-3Y	Cisco Firepower 4125 Threat Defense Threat and URL 3Y Subscription
L-FPR4125T-TC-5Y	Cisco Firepower 4125 Threat Defense Threat and URL 5Y Subscription
L-FPR4125T-TM-1Y	Cisco Firepower 4125 Threat Defense Threat and Malware 1Y Subscription
L-FPR4125T-TM-3Y	Cisco Firepower 4125 Threat Defense Threat and Malware 3Y Subscription
L-FPR4125T-TM-5Y	Cisco Firepower 4125 Threat Defense Threat and Malware 5Y Subscription
L-FPR4125T-TMC-1Y	Cisco Firepower 4125 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR4125T-TMC-3Y	Cisco Firepower 4125 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR4125T-TMC-5Y	Cisco Firepower 4125 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR4125T-URL-1Y	Cisco Firepower 4125 Threat Defense URL Filtering 1Y Subscription
L-FPR4125T-URL-3Y	Cisco Firepower 4125 Threat Defense URL Filtering 3Y Subscription
L-FPR4125T-URL-5Y	Cisco Firepower 4125 Threat Defense URL Filtering 5Y Subscription
L-FPR4140T-AMP-1Y	Cisco Firepower 4140 Threat Defense Malware Protection 1Y Subscription

Part Number	Description
L-FPR4140T-AMP-3Y	Cisco Firepower 4140 Threat Defense Malware Protection 3Y Subscription
L-FPR4140T-AMP-5Y	Cisco Firepower 4140 Threat Defense Malware Protection 5Y Subscription
L-FPR4140T-T-1Y	Cisco Firepower 4140 Threat Defense Threat Protection 1Y Subscription
L-FPR4140T-T-3Y	Cisco Firepower 4140 Threat Defense Threat Protection 3Y Subscription
L-FPR4140T-T-5Y	Cisco Firepower 4140 Threat Defense Threat Protection 5Y Subscription
L-FPR4140T-TC-1Y	Cisco Firepower 4140 Threat Defense Threat and URL 1Y Subscription
L-FPR4140T-TC-3Y	Cisco Firepower 4140 Threat Defense Threat and URL 3Y Subscription
L-FPR4140T-TC-5Y	Cisco Firepower 4140 Threat Defense Threat and URL 5Y Subscription
L-FPR4140T-TM-1Y	Cisco Firepower 4140 Threat Defense Threat and Malware 1Y Subscription
L-FPR4140T-TM-3Y	Cisco Firepower 4140 Threat Defense Threat and Malware 3Y Subscription
L-FPR4140T-TM-5Y	Cisco Firepower 4140 Threat Defense Threat and Malware 5Y Subscription
L-FPR4140T-TMC-1Y	Cisco Firepower 4140 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR4140T-TMC-3Y	Cisco Firepower 4140 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR4140T-TMC-5Y	Cisco Firepower 4140 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR4140T-URL-1Y	Cisco Firepower 4140 Threat Defense URL Filtering 1Y Subscription
L-FPR4140T-URL-3Y	Cisco Firepower 4140 Threat Defense URL Filtering 3Y Subscription
L-FPR4140T-URL-5Y	Cisco Firepower 4140 Threat Defense URL Filtering 5Y Subscription
L-FPR4145T-AMP-1Y	Cisco Firepower 4145 Threat Defense Malware Protection 1Y Subscription
L-FPR4145T-AMP-3Y	Cisco Firepower 4145 Threat Defense Malware Protection 3Y Subscription
L-FPR4145T-AMP-5Y	Cisco Firepower 4145 Threat Defense Malware Protection 5Y Subscription
L-FPR4145T-T-1Y	Cisco Firepower 4145 Threat Defense Threat Protection 1Y Subscription
L-FPR4145T-T-3Y	Cisco Firepower 4145 Threat Defense Threat Protection 3Y Subscription
L-FPR4145T-T-5Y	Cisco Firepower 4145 Threat Defense Threat Protection 5Y Subscription
L-FPR4145T-TC-1Y	Cisco Firepower 4145 Threat Defense Threat and URL 1Y Subscription
L-FPR4145T-TC-3Y	Cisco Firepower 4145 Threat Defense Threat and URL 3Y Subscription
L-FPR4145T-TC-5Y	Cisco Firepower 4145 Threat Defense Threat and URL 5Y Subscription

Part Number	Description
L-FPR4145T-TM-1Y	Cisco Firepower 4145 Threat Defense Threat and Malware 1Y Subscription
L-FPR4145T-TM-3Y	Cisco Firepower 4145 Threat Defense Threat and Malware 3Y Subscription
L-FPR4145T-TM-5Y	Cisco Firepower 4145 Threat Defense Threat and Malware 5Y Subscription
L-FPR4145T-TMC-1Y	Cisco Firepower 4145 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR4145T-TMC-3Y	Cisco Firepower 4145 Threat Defense Threat, Malware, and URL 3Y Subscription
L-FPR4145T-TMC-5Y	Cisco Firepower 4145 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR4145T-URL-1Y	Cisco Firepower 4145 Threat Defense URL Filtering 1Y Subscription
L-FPR4145T-URL-3Y	Cisco Firepower 4145 Threat Defense URL Filtering 3Y Subscription
L-FPR4145T-URL-5Y	Cisco Firepower 4145 Threat Defense URL Filtering 5Y Subscription
L-FPR4150T-AMP-1Y	Cisco Firepower 4150 Threat Defense Malware Protection 1Y Subscription
L-FPR4150T-AMP-3Y	Cisco Firepower 4150 Threat Defense Malware Protection 3Y Subscription
L-FPR4150T-AMP-5Y	Cisco Firepower 4150 Threat Defense Malware Protection 5Y Subscription
L-FPR4150T-T-1Y	Cisco Firepower 4150 Threat Defense Threat Protection 1Y Subscription
L-FPR4150T-T-3Y	Cisco Firepower 4150 Threat Defense Threat Protection 3Y Subscription
L-FPR4150T-T-5Y	Cisco Firepower 4150 Threat Defense Threat Protection 5Y Subscription
L-FPR4150T-TC-1Y	Cisco Firepower 4150 Threat Defense Threat and URL 1Y Subscription
L-FPR4150T-TC-3Y	Cisco Firepower 4150 Threat Defense Threat and URL 3Y Subscription
L-FPR4150T-TC-5Y	Cisco Firepower 4150 Threat Defense Threat and URL 5Y Subscription
L-FPR4150T-TM-1Y	Cisco Firepower 4150 Threat Defense Threat and Malware 1Y Subscription
L-FPR4150T-TM-3Y	Cisco Firepower 4150 Threat Defense Threat and Malware 3Y Subscription
L-FPR4150T-TM-5Y	Cisco Firepower 4150 Threat Defense Threat and Malware 5Y Subscription
L-FPR4150T-TMC-1Y	Cisco Firepower 4150 Threat Defense Threat, Malware, and URL 1Y Subscription
L-FPR4150T-TMC-3Y	Cisco Firepower 4150 Threat Defense Threat, Malware, and URL 3Y Subscription

Part Number	Description
L-FPR4150T-TMC-5Y	Cisco Firepower 4150 Threat Defense Threat, Malware, and URL 5Y Subscription
L-FPR4150T-URL-1Y	Cisco Firepower 4150 Threat Defense URL Filtering 1Y Subscription
L-FPR4150T-URL-3Y	Cisco Firepower 4150 Threat Defense URL Filtering 3Y Subscription
L-FPR4150T-URL-5Y	Cisco Firepower 4150 Threat Defense URL Filtering 5Y Subscription

Example of Cisco Firepower Solution Configurations

Below tables show sample configurations for ordering the 9300 appliances. Note that these are high-level overviews and that actual orders will include additional items.

Table 27.   Fully populated chassis with three SM-36 Security Modules for maximum I/O capability

Part Number	Description	Quantify
FPR-C9300-AC	Cisco Firepower 9300 AC Chassis + 2 PSU + 4 fans	1
FPR9K-SUP	Cisco Firepower 9000 Series Supervisor	1
FPR9K-SM-36	Cisco Firepower 9000 Series 36 Physical Core, Security Module includes 2 SSDs	3
FPR9K-NM-4X40G	Cisco Firepower 9000 Series - 4-port QSFP+ Network Module	1
FPR9K-NM-8X10G	Cisco Firepower 9000 Series - 8-port SFP+ Network Module	1
CAB-AC-C6K-TWLK	Power Cord, 250VAC 16A, twist-lock NEMA L6-20 plug, U	1
L-F9K-ASA-SC-10=	License to add 10 Security Contexts to ASA in Cisco Firepower 9000	3

Table 28.   Chassis with one SM-24 Security Module

Part Number	Description	Quantify
FPR-C9300-AC	Cisco Firepower 9300 AC Chassis + 2 PSU + 4 fans	1
FPR9K-SUP	Cisco Firepower 9000 Series Supervisor	1
FPR9K-SM-24	Cisco Firepower 9000 Series Enterprise, 24 Physical Core, Security Module (NEBS Ready) includes 2 SSDs	1
CAB-AC-C6K-TWLK	Power Cord, 250VAC 16A, twist lock NEMA L6-20 plug, U	1

Ordering Examples: Cisco Commerce, Step-by-Step

Cisco Commerce provides a Deals and Quotes application that helps the Cisco sales team and specialized channel partners to build a system quote with:

- Products, required modules, and software

- Automatically generated services based on products and installation-site location

- Customized leasing options from Cisco Capital® financing, where available

For additional information about Cisco Commerce, go to: https://apps.cisco.com/Commerce/home.

You will find several helpful tools to estimate and order solutions so you can configure products and view lead times and prices for each selection. You can view lead time and price changes under a variety of price lists and service contract terms. You can also track your order.

The following product and related options are supported in the workspace:

- Cisco Firepower 9300 (FPR-C9300-AC)
- Cisco Firepower 4100 Series (FPR-41xx-xxx)

For other ordering tools, such as services ordering, please consult the Additional Resources section at the end of this document.

Ordering Example 1: Cisco Firepower 9300 with ASA

Step 1. Smart Software Licensing

Before placing a Cisco Firepower 9300 order, a Smart Software Licensing account for the end customer must be initiated. If the customer already has a Smart Software Licensing account, that account must be associated with the order. More information on Smart Software Licensing account establishment is available in the Smart Software Licensing section of this ordering guide, and online at: https://www.cisco.com/web/ordering/smart-software-manager/index.html.

To associate the order's licenses with the customer's Smart Licensing account, or to begin the establishment of the Smart Licensing account, follow these steps. Note that if you are initiating the account, you are able to complete the order only if the account is initiated on the end customer's behalf and associated with the order.

1. Go to Cisco Commerce: https://www.cisco.com/go/ccw.

2. From the Orders pull-down menu, select Create Order.

3. Select Assign Smart Account, and follow the subsequent prompts for Smart Licensing.

Step 2. Navigate to Products > Security > Cisco Firepower 9000 Series. In the search box, enter the part number FPR-C9300-AC.

Step 3. Add the chassis to the cart by clicking the blue plus sign (+), and then the Add button.
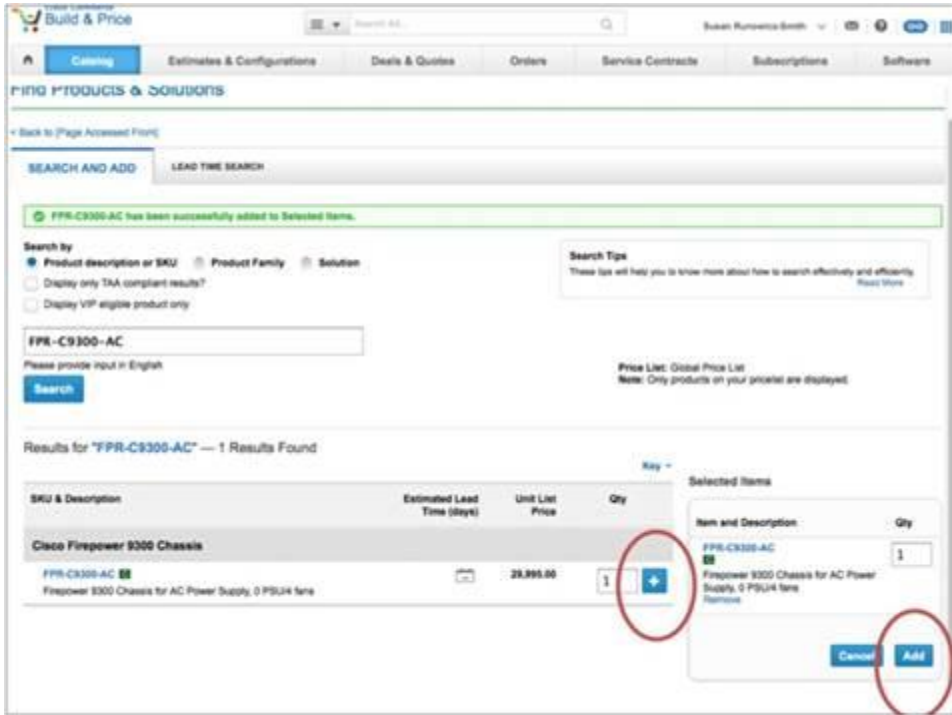
Step 4. Check the box at 1.0 FPR-C9300-AC and click Select Options.
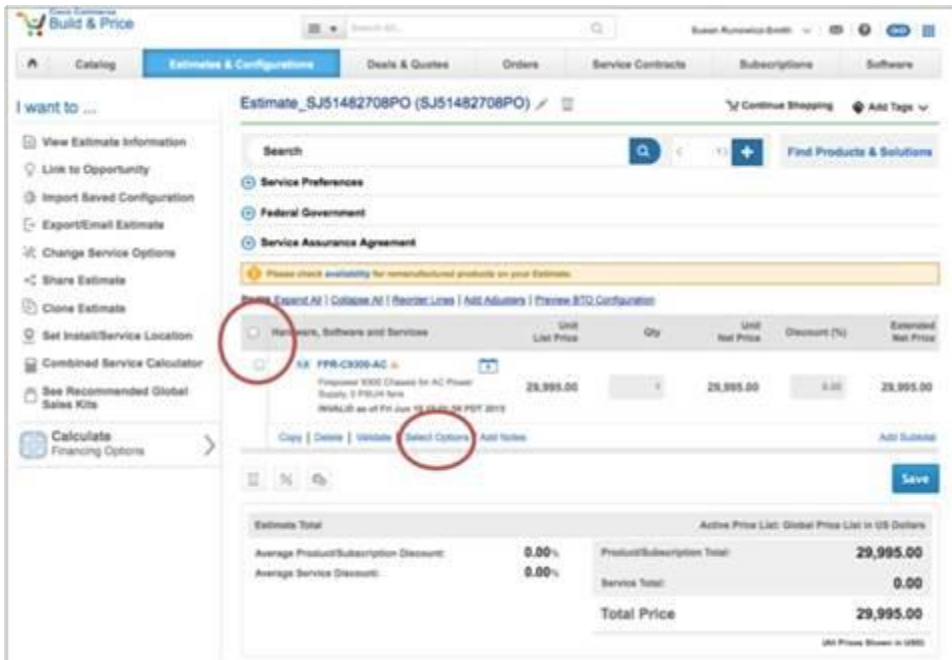
Step 5. Follow the instructions in the yellow box. First, click the Power Cables link and make a cable selection in the next screen.

Step 6. After selecting appropriate cable(s), click Security Module Slot 1 in the yellow box.

Step 7. Select either the SM-24 or SM-36 security module type, and then enter quantity 1. Repeat this process as required for two and three security modules, if ordered. Remember, you cannot mix module types in the chassis. Then click Security Module Slot 1 to add software.
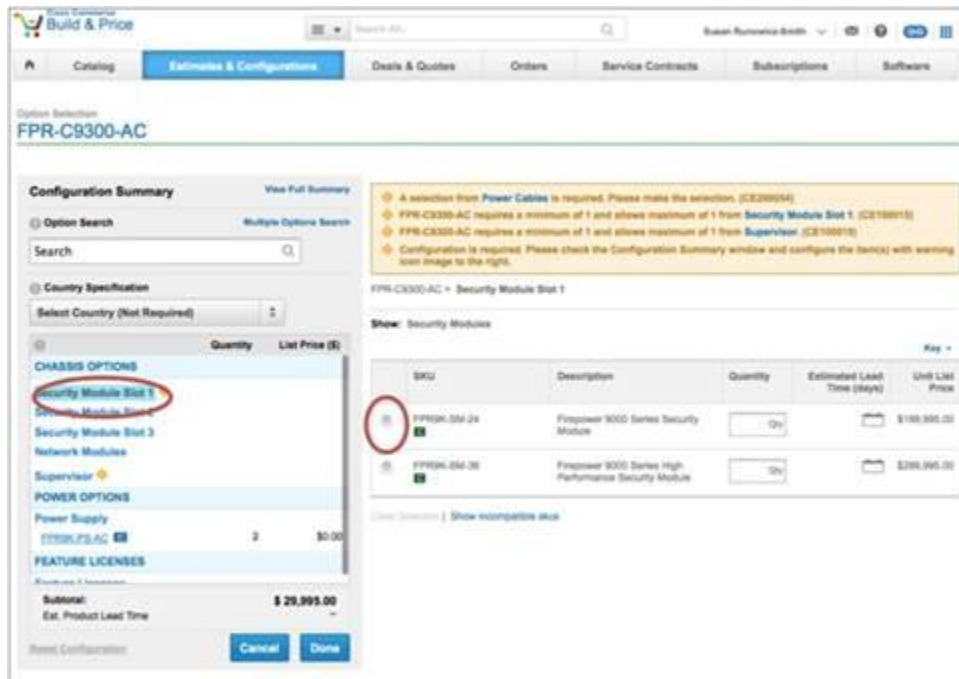
Step 8. Check the button under the SKU selection column to add software, and then click Supervisor.

Step 9. Check the box to add the supervisor module, and click the FPR9K-SUP link to add modules.

Step 10. Select the supervisor module, and then click Network Modules to add.
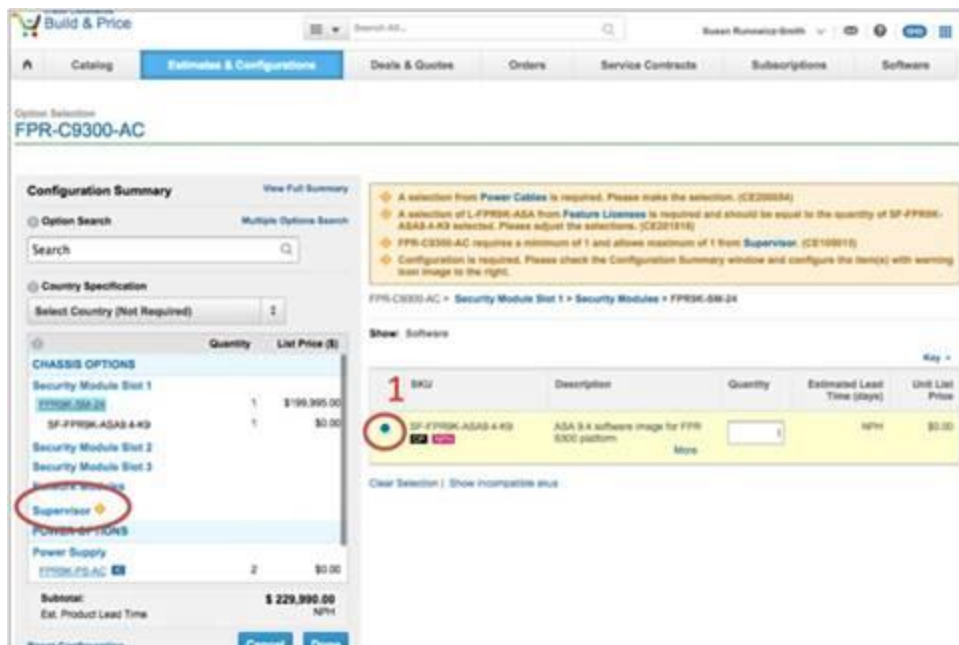
Step 11. Select the required network modules, and then click FPR-NM-4X40G to select the required connectors.
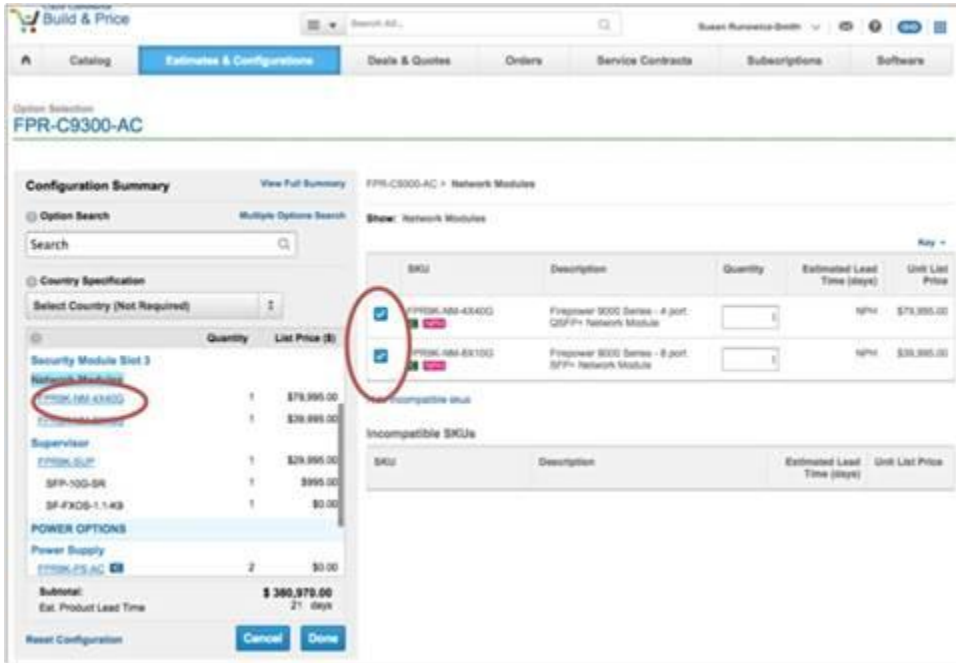
Step 12. Browse and select compatible connectors from the list, and then click Done.
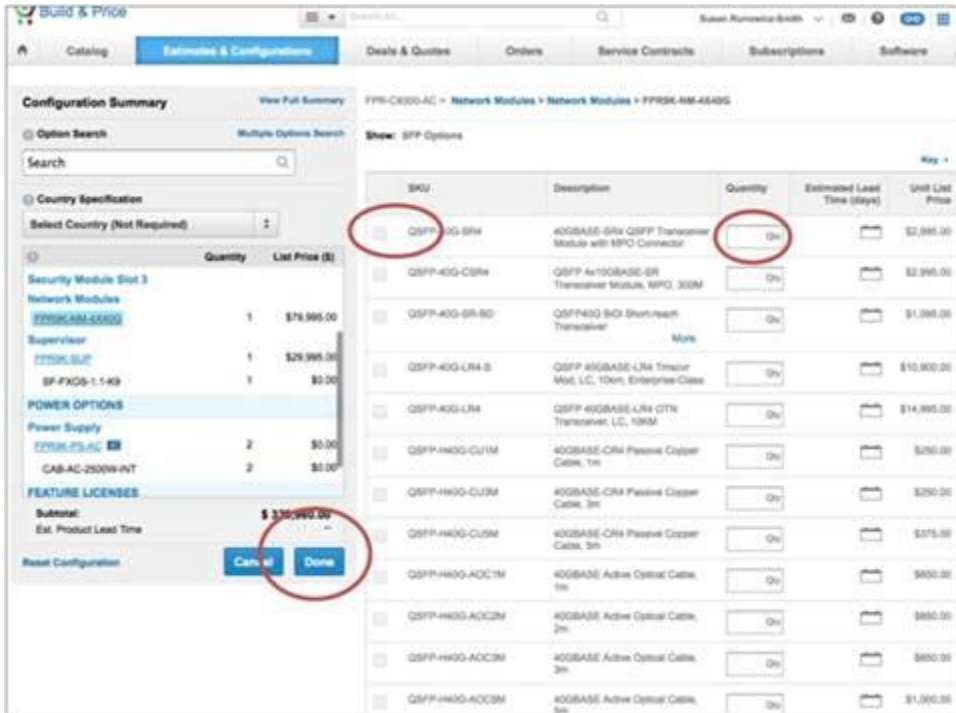
Step 13. Any missing components will be flagged at this time. Here we see that a Strong Encryption license is missing. If required, return to the menu under Feature Licenses to add.
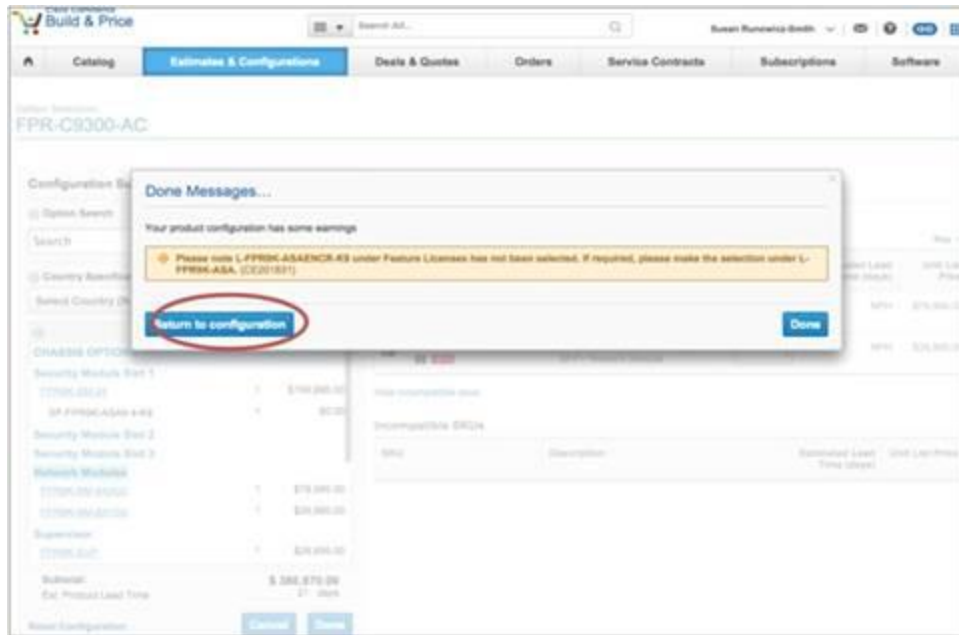
Step 14. Select L-FPR9K-ASA to display additional software licenses. Select Strong Encryption and additional security contexts if desired, and then click Done.
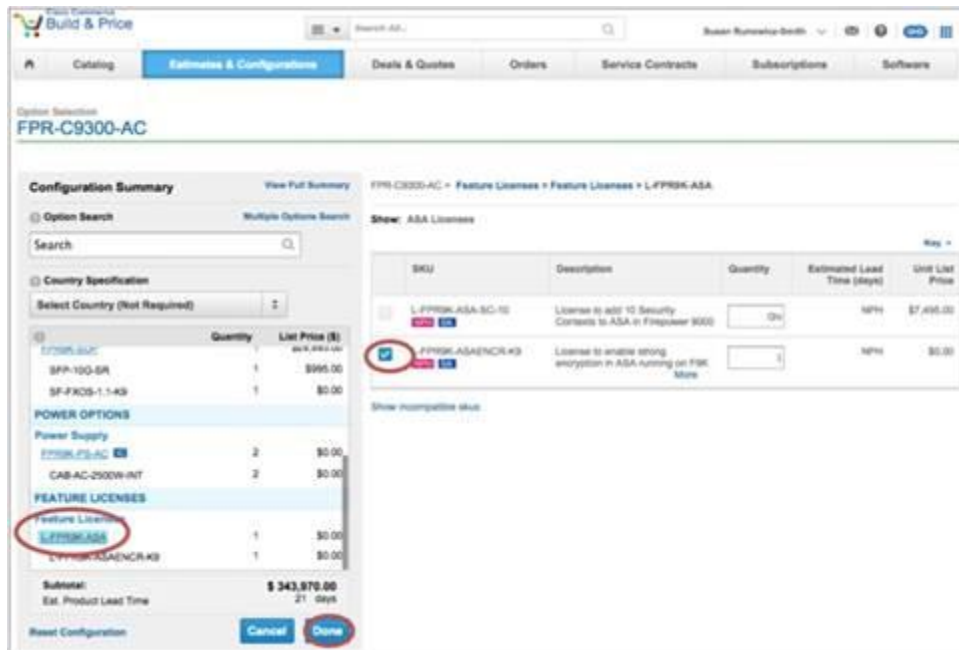
Ordering Example 2: Firepower 4100 NGFW (Uses the Firepower Threat Defense Image)

Step 1.

1. In Cisco Commerce, select one of the bundles for desired platform based on performance requirements:

   - FPR4110–BUN

   - FPR4120–BUN

   - FPR4140–BUN

   - FPR4150–BUN

   - FPR4115–BUN

   - FPR4125–BUN

   - FPR4145–BUN

2. Select the desired appliance by deployment type (4110 example):

   - **FPR4110-ASA-K9** (for firewall deployment, running standalone ASA firewall)

     or

   - **FPR4110-NGFW-K9** (for NGFW deployment, running Cisco Firepower Threat Defense)

     or

   - **FPR4110-NGIPS-K9** (for NGIPS deployment [inline options], running Cisco Firepower Threat Defense)

Step 2.

3. FPR4110-NGFW-K9 is selected from the "Firepower Hardware" section.

4. Select the Redundant Power Supply option where applicable. If chosen, two (2) power cords must be selected.

5. Select Country Specification (affects power cord selection).

6. Warnings will be presented in a yellow box until the number of power cords selected is equal to the number of power supplies.

Step 3. Configure the supervisor software.

7. The FXOS license is selected by default, as it is the supervisor operating system and required for system function. No selection is required.

Step 4. Configure the Cisco Firepower Threat Defense software version.

Step 5. Configure the supervisor SFP modules.

8. Select SFP modules for the supervisor (up to 8 allowed). These are the on-chassis included ports and require an optics module to function.

Step 6. Configure the network modules.

9. Select optional network module(s).

10. There are two network module slots (1 and 2). Each contains selectable options.

11. Certain network modules offer SFP options when selected. These appear as a links below the Slot 1 and Slot 2 section headings.

Step 7. Configure the network modules (continued).

12. When the link is clicked, SFP options appear (example: FPR4K-NM-4X40G).

13. Select the appropriate number of SFPs for the network module.

Step 8. Complete the bundle by adding optional subscriptions.

14. After completion of hardware options, return to the main bundle page.

15. Click the SUBSCRIPTIONS link on the lower left.

16. When selected, the subscription options will expand. Subscriptions for the NGFW configuration are optional:

- T = Threat (IPS)
- TM = Threat + AMP
- TC = Threat + URL
- TMC = Threat + AMP +URL

Step 9. Complete the bundle by adding optional subscriptions.

17. Click the blue plus sign (+) to add a desired subscription.

18. The subscription will then appear below the previously completed hardware selection.

19. You may then configure the term of the subscription by clicking the "Edit Services/Subscriptions" link. 3Y is the default term, with options for 1Y and 5Y.

SKUs and Ordering for Cisco Firepower 9300

The following tables outline the product part number information for the Cisco Firepower 9300. Note that the customer may want extra power supplies and fans. You can add these to the order separately. When you order, you choose between one and three security modules per chassis. Note that security module types cannot be mixed within a chassis.

Table 29. Chassis and sublevel assemblies and components included with each chassis

Part Number (Chassis Hardware)	Description
FPR-C9300-AC	Cisco Firepower 9300 AC Chassis – includes 2 power supply units + 4 fans + rack-mount kit (3RU; accommodates up to three security modules)
FPR-C9300-DC	Cisco Firepower 9300 DC Chassis – includes 2 power supply units + 4 fans + rack-mount kit (3RU; accommodates up to three security modules)
FPR-C9300-HVDC	Cisco Firepower 9300 high-voltage DC Chassis – includes 2 power supply units + 4 fans + rack-mount kit (3RU; accommodates up to three security modules)

Part Number (Chassis Hardware)	Description
FPR-C9300-AC=	Cisco Firepower 9300 AC Chassis Spare – without power supply and fans
FPR-C9300-DC=	Cisco Firepower 9300 DC Chassis Spare – without power supply and fans
FPR9K-PS-AC=	Cisco Firepower 9000 Series AC Power Supply (order for spare only)
FPR9K-PS-DC=	Cisco Firepower 9000 Series DC Power Supply (order for spare only)
FPR9K-FAN=	Cisco Firepower 9000 Series Fan (order for spare only)
FPR9K-RMK=	Cisco Firepower 9000 Series Rack Mount Kit (order for spare only)
FPR9K-SUP=	Cisco Firepower 9000 Series Supervisor Spare

Part Number (Security Modules)	Description
FPR9K-SM-24=	Cisco Firepower 9000 Series, Security Module 24 Spare, (NEBS certified) includes 2 SSDs
FPR9K-SM-36=	Cisco Firepower 9000 Series, Security Module 36 Spare, includes 2 SSDs
FPR9K-SM-44=	Cisco Firepower 9000 Series, Security Module 44 Spare, includes 2 SSDs
FPR9K-SM-40=	Cisco Firepower 9000 Series, Security Module 40 Spare, includes 2 SSDs
FPR9K-SM-56=	Cisco Firepower 9000 Series, Security Module 56 Spare, includes 2 SSDs
FPT9KT-HA-BUN	Cisco FPR9300 Threat Defense Chassis, Subs HA Bundle
FPR9KT-SM24-HA-BUN	Cisco FPR9300 SM-24 Threat Defense Chassis, Subs HA Bundle
FPR9KT-SM36-HA-BUN	Cisco FPR9300 SM-36 Threat Defense Chassis, Subs HA Bundle
FPR9KT-SM44-HA-BUN	Cisco FPR9300 SM-44 Threat Defense Chassis, Subs HA Bundle

Part Number (Cables)	Description
Breakout Cables	Generic breakout cables can be used, please see: https://www.cisco.com/c/en/us/products/collateral/interfaces-modules/transceiver-modules/data_sheet_c78-660083.html

Note: There are eight 10-Gbps ports on the supervisor module, which is bundled by default with the chassis. However, customers that plan to use supervisor module ports will require connectors for both those ports as well as for the ports on the network modules. Only one 1-Gbps connector, for the management port, is included by default with each supervisor module.

Table 30.   Cisco Firepower 9300 Network Modules

Network Modules	Description
FPR9K-NM-4X40G	Firepower 9000 Series – 4 port QSFP+ Network Module
FPR9K-NM-4X40G=	Firepower 9000 Series – 4 port QSFP+ Network Module
FPR9K-NM-8X10G	Firepower 9000 Series – 8 port SFP+ Network Module
FPR9K-NM-8X10G=	Firepower 9000 Series – 8 port SFP+ Network Module
FPR9K-DNM-2X100G	Cisco FirePower 2 port 100G Network Module, Double Width
FPR9K-DNM-2X100G=	Cisco FirePower 2 port 100G Network Module, Double Width
FPR9K-NM-2X100G	Cisco FirePower 2 port 100G Network Module
FPR9K-NM-2X100G=	Cisco FirePower 2 port 100G Network Module
FPR9K-NM-4X100G	Cisco FirePower 4 port 100G Network Module
FPR9K-NM-4X100G=	Cisco FirePower 4 port 100G Network Module
FPR9K-NM-6X10SR-F	10G Short range Fail to Wire Network Module (includes built-in SFP)
FPR9K-NM-6X10SR-F=	10G Short range Fail to Wire Spare Network Module (includes built-in SFP)
FPR9K-NM-6X10LR-F	10G Long range Fail to Wire Network Module (includes built-in SFP)
FPR9K-NM-6X10LR-F=	10G Long range Fail to Wire Spare Network Module (includes built-in SFP)
FPR9K-NM-2X40G-F	40G Fail to Wire Network Module (includes built-in QSFP)
FPR9K-NM-2X40G-F=	40G Fail to Wire Spare Network Module (includes built-in QSFP)
FPR9K-NM-6X1SX-F	Cisco Firepower 6-port 1G SX Fiber FTW Network Module (includes built-in SFP)
FPR9K-NM-6X1SX-F=	Cisco Firepower 6-port 1G SX Fiber FTW Network Module (Spare) (inlcudes built-in SFP)

Table 31.   SFP module options for 10G netmod and 10G supervisor ports

Part Number (SFP Modules)	Description
SKU	Description
SFP-10G-SR	10GBASE-SR SFP Module
SFP-10G-LR	10GBASE-LR SFP Module
SFP-10G-SR-S	10GBASE-SR SFP Module, Enterprise-Class
SFP-10G-LR-S	10GBASE-LR SFP Module, Enterprise-Class
SFP-10G-LRM	10GBASE-LRM SFP Module

Part Number (SFP Modules)	Description
SKU	**Description**
SFP-10G-ER	10GBASE-ER SFP Module
SFP-H10GB-CU1M	10GBASE-CU SFP+ Cable 1m
SFP-H10GB-CU3M	10GBASE-CU SFP+ Cable 3m
SFP-H10GB-CU5M	10GBASE-CU SFP+ Cable 5m
SFP-H10GB-ACU7M	Active Twinax cable assembly, 7m
SFP-H10GB-ACU10M	Active Twinax cable assembly, 10m
SFP-10G-AOC1M	10GBASE Active Optical SFP+ Cable, 1m
SFP-10G-AOC2M	10GBASE Active Optical SFP+ Cable, 2m
SFP-10G-AOC3M	10GBASE Active Optical SFP+ Cable, 3m
SFP-10G-AOC5M	10GBASE Active Optical SFP+ Cable, 5m
SFP-10G-AOC7M	10GBASE Active Optical SFP+ Cable, 7m
SFP-10G-AOC10M	10GBASE Active Optical SFP+ Cable, 10m
GLC-SX-MMD	1000BASE-SX SFP transceiver module, MMF, 850nm, DOM
GLC-LH-SMD	1000BASE-LX/LH SFP transceiver module, MMF/SMF, 1310nm, DOM
GLC-EX-SMD	1000BASE-EX SFP transceiver module, SMF, 1310nm, DOM
GLC-ZX-SMD	1000BASE-ZX SFP transceiver module, SMF, 1550nm, DOM

Table 32.   SFP module options for 40G netmod

Part Number (SFP Modules)	Description
QSFP-40G-SR4	40GBASE-SR4 QSFP Transceiver Module with MPO Connector
QSFP-40G-CSR4	QSFP 4x10GBASE-SR Transceiver Module, MPO, 300M
QSFP-40G-SR-BD	QSFP40G BiDi Short-reach Transceiver
QSFP-40G-LR4-S	QSFP 40GBASE-LR4 Transceiver Mod, LC, 10km, Enterprise-Class
QSFP-40G-LR4	QSFP 40GBASE-LR4 OTN Transceiver, LC, 10km
WSP-Q40GLR4L	QSFP 40G Ethernet - LR4 Lite, LC, 2KM
QSFP-H40G-CU1M	40GBASE-CR4 Passive Copper Cable, 1m
QSFP-H40G-CU3M	40GBASE-CR4 Passive Copper Cable, 3m

Part Number (SFP Modules)	Description
QSFP-H40G-CU5M	40GBASE-CR4 Passive Copper Cable, 5m
QSFP-H40G-AOC1M	40GBASE Active Optical Cable, 1m
QSFP-H40G-AOC2M	40GBASE Active Optical Cable, 2m
QSFP-H40G-AOC3M	40GBASE Active Optical Cable, 3m
QSFP-H40G-AOC5M	40GBASE Active Optical Cable, 5m
QSFP-H40G-AOC7M	40GBASE Active Optical Cable, 7m
QSFP-H40G-AOC10M	40GBASE Active Optical Cable, 10m
QSFP-H40G-AOC15M	40GBASE Active Optical Cable, 15m
QSFP-H40G-ACU7M	40GBASE-CR4 Active Copper Cable, 7m
QSFP-H40G-AOC10M	40GBASE-CR4 Active Copper Cable, 10m

Table 33. 100G network QSFP28 module options

Part Number (SFP Modules)	Description
QSFP-100G-LR4-S	100GBASE LR4 QSFP Transceiver, LC, 10km over SMF

When ordering a Cisco Firepower 9300 firewall with the ASA configuration, a Standard (base) ASA license (L-F9K-ASA) is required.

Table 34. Cisco Firepower 9300 power cables

Part Number (Power Cables)	Country	Description
CAB-AC-2500W-INT	International	Power Cord, 250VAC 16A, INTL
CAB-C19-CBN	International	Cabinet Jumper Power Cord, 250VAC 16A, C20-C19 Connectors
CAB-AC-C6K-TWLK	[All Categories]	Power Cord, 250VAC 16A, twist lock NEMA L6-20 plug, US
CAB-AC-2500W-US1	North America and Japan	Power Cord, 250VAC 16A, straight blade NEMA 6-20 plug, US
CAB-AC-16A-AUS	Australia	Power Cord, 250VAC, 16A, Australia C19
CAB-AC16A-CH	China	16A AC Power Cord for China
CAB-AC-2500W-ISRL	People's Republic of China	Power Cord, 250VAC, 16A, Israel
CAB-S132-C19-ISRL	Israel	S132 to IEC-C19 14ft Israeli
CAB-ACS-16	Switzerland	AC Power Cord (Swiss) 16A

Part Number (Power Cables)	Country	Description
CAB-IR2073-C19-AR	Argentina	IRSM 2073 to IEC-C19 14ft Argentina
CAB-BS1363-C19-UK	United Kingdom	BS-1363 to IEC-C19 14ft UK
CAB-SABS-C19-IND	India	SABS 164-1 to IEC-C19 India
CAB-C2316-C19-IT	Italy	CEI 23-16 to IEC-C19 14ft Italy
UCSB-CABL-C19-BRZ	Brazil	NBR 14136 to C19 AC 14ft Power Cord, Brazil
CAB-C19-C20-3M-JP	Japan	Power Cord C19-C20, 3m/10ft Japan PSE mark
CAB-AC-2500W-INT	International	Power Cord, 250VAC 16A, INTL

SKUs for Cisco Firepower 9300 Series Licenses and Firepower Threat Defense Subscriptions

When ordering a Cisco Firepower 9300 firewall with the ASA configuration, a Standard (base) ASA license (L-F9K-ASA) is required.

Alternatively, when ordering a 9300 Series NGFW with the Cisco Firepower Threat Defense image, base AVC capability comes by default with Cisco Firepower Threat Defense license (L-FPR9K-TD-BASE=). Additionally, subscriptions can be purchased (one license per security module) to add NGIPS, URL Filtering, and AMP capabilities. Similarly, if the customer already has a Firepower 9300, the same PIDs are used to upgrade to the Cisco Firepower Threat Defense image. Subscription terms are 1, 3, and 5 years, with the greatest price discount at 5 years. In the listed part numbers, the threat services are identified as follows:

Table 35.   Threat subscription decoder

Threat Subscription Abbreviations	Description
T	**Threat** (Security Intelligence and Cisco Firepower Next-Generation IPS)
M or AMP	Advanced **Malware** Protection for Networks (AMP)
C or URL	URL Filtering
1Y	**1-Year** Subscription
3Y	**3-Year** Subscription
5Y	**5-Year** Subscription

Table 36. Cisco Firepower 9300 Series license part numbers and subscription terms for Cisco Firepower Threat Defense on Security Module SM-24

PID	Description
L-FPR9K-24T-T=	Cisco FPR9K SM-24 Threat Defense Threat Protection License
L-FPR9K-24T-AMP=	Cisco FPR9K SM-24 Threat Defense Malware Protection License
L-FPR9K-24T-URL=	Cisco FPR9K SM-24 Threat Defense URL Filtering License
L-FPR9K-24T-TM=	Cisco FPR9K SM-24 Threat Defense Threat and Malware License
L-FPR9K-24T-TC=	Cisco FPR9K SM-24 Threat Defense Threat and URL License
L-FPR9K-24T-TMC=	Cisco FPR9K SM-24 Threat Defense Threat, Malware and URL License
L-FPR9K-24T-AMP-1Y	Cisco FPR9K SM-24 Threat Defense Malware Protection 1Y Subs
L-FPR9K-24T-AMP-3Y	Cisco FPR9K SM-24 Threat Defense Malware Protection 3Y Subs
L-FPR9K-24T-AMP-5Y	Cisco FPR9K SM-24 Threat Defense Malware Protection 5Y Subs
L-FPR9K-24T-URL-1Y	Cisco FPR9K SM-24 Threat Defense URL Filtering 1Y Subs
L-FPR9K-24T-URL-3Y	Cisco FPR9K SM-24 Threat Defense URL Filtering 3Y Subs
L-FPR9K-24T-URL-5Y	Cisco FPR9K SM-24 Threat Defense URL Filtering 5Y Subs
L-FPR9K-24T-T-1Y	Cisco FPR9K SM-24 Threat Defense Threat Protection 1Y Subs
L-FPR9K-24T-T-3Y	Cisco FPR9K SM-24 Threat Defense Threat Protection 3Y Subs
L-FPR9K-24T-T-5Y	Cisco FPR9K SM-24 Threat Defense Threat Protection 5Y Subs
L-FPR9K-24T-TM-1Y	Cisco FPR9K SM-24 Threat Defense Threat and Malware 1Y Subs
L-FPR9K-24T-TM-3Y	Cisco FPR9K SM-24 Threat Defense Threat and Malware 3Y Subs
L-FPR9K-24T-TM-5Y	Cisco FPR9K SM-24 Threat Defense Threat and Malware 5Y Subs
L-FPR9K-24T-TC-1Y	Cisco FPR9K SM-24 Threat Defense Threat and URL 1Y Subs
L-FPR9K-24T-TC-3Y	Cisco FPR9K SM-24 Threat Defense Threat and URL 3Y Subs
L-FPR9K-24T-TC-5Y	Cisco FPR9K SM-24 Threat Defense Threat and URL 5Y Subs
L-FPR9K-24T-TMC-1Y	Cisco FPR9K SM-24 Threat Defense Threat, Malware, URL 1Y Sub
L-FPR9K-24T-TMC-3Y	Cisco FPR9K SM-24 Threat Defense Threat, Malware, URL 3Y Sub
L-FPR9K-24T-TMC-5Y	Cisco FPR9K SM-24 Threat Defense Threat, Malware, URL 5Y Sub

Table 37.   Cisco Firepower 9300 Series license part numbers and subscription terms for Cisco Firepower Threat Defense on Security Module SM-36

FPR9K-SM-36	Firepower 9000 Series High Performance Security Module
L-FPR9K-36T-T=	Cisco FPR9K SM-36 Threat Defense Threat Protection License
L-FPR9K-36T-AMP=	Cisco FPR9K SM-36 Threat Defense Malware Protection License
L-FPR9K-36T-URL=	Cisco FPR9K SM-36 Threat Defense URL Filtering License
L-FPR9K-36T-TM=	Cisco FPR9K SM-36 Threat Defense Threat and Malware License
L-FPR9K-36T-TC=	Cisco FPR9K SM-36 Threat Defense Threat and URL License
L-FPR9K-36T-TMC=	Cisco FPR9K SM-36 Threat Defense Threat, Malware and URL License
L-FPR9K-36T-AMP-1Y	Cisco FPR9K SM-36 Threat Defense Malware Protection 1Y Subs
L-FPR9K-36T-AMP-3Y	Cisco FPR9K SM-36 Threat Defense Malware Protection 3Y Subs
L-FPR9K-36T-AMP-5Y	Cisco FPR9K SM-36 Threat Defense Malware Protection 5Y Subs
L-FPR9K-36T-URL-1Y	Cisco FPR9K SM-36 Threat Defense URL Filtering 1Y Subs
L-FPR9K-36T-URL-3Y	Cisco FPR9K SM-36 Threat Defense URL Filtering 3Y Subs
L-FPR9K-36T-URL-5Y	Cisco FPR9K SM-36 Threat Defense URL Filtering 5Y Subs
L-FPR9K-36T-T-1Y	Cisco FPR9K SM-36 Threat Defense Threat Protection 1Y Subs
L-FPR9K-36T-T-3Y	Cisco FPR9K SM-36 Threat Defense Threat Protection 3Y Subs
L-FPR9K-36T-T-5Y	Cisco FPR9K SM-36 Threat Defense Threat Protection 5Y Subs
L-FPR9K-36T-TM-1Y	Cisco FPR9K SM-36 Threat Defense Threat and Malware 1Y Subs
L-FPR9K-36T-TM-3Y	Cisco FPR9K SM-36 Threat Defense Threat and Malware 3Y Subs
L-FPR9K-36T-TM-5Y	Cisco FPR9K SM-36 Threat Defense Threat and Malware 5Y Subs
L-FPR9K-36T-TC-1Y	Cisco FPR9K SM-36 Threat Defense Threat and URL 1Y Subs
L-FPR9K-36T-TC-3Y	Cisco FPR9K SM-36 Threat Defense Threat and URL 3Y Subs
L-FPR9K-36T-TC-5Y	Cisco FPR9K SM-36 Threat Defense Threat and URL 5Y Subs
L-FPR9K-36T-TMC-1Y	Cisco FPR9K SM-36 Threat Defense Threat, Malware, URL 1Y Sub
L-FPR9K-36T-TMC-3Y	Cisco FPR9K SM-36 Threat Defense Threat, Malware, URL 3Y Sub
L-FPR9K-36T-TMC-5Y	Cisco FPR9K SM-36 Threat Defense Threat, Malware, URL 5Y Sub

Table 38. Cisco Firepower 9300 Series license part numbers and subscription terms for Cisco Firepower Threat Defense on Security Module SM-44

FPR9K-SM-44	Firepower 9000 Series Super-High Performance Security Module
L-FPR9K-44T-T=	Cisco FPR9K SM-44 Threat Defense Threat Protection License
L-FPR9K-44T-AMP=	Cisco FPR9K SM-44 Threat Defense Malware Protection License
L-FPR9K-44T-URL=	Cisco FPR9K SM-44 Threat Defense URL Filtering License
L-FPR9K-44T-TM=	Cisco FPR9K SM-44 Threat Defense Threat and Malware License
L-FPR9K-44T-TC=	Cisco FPR9K SM-44 Threat Defense Threat and URL License
L-FPR9K-44T-TMC=	Cisco FPR9K SM-44 Threat Defense Threat, Malware and URL License
L-FPR9K-44T-AMP-1Y	Cisco FPR9K SM-44 Threat Defense Malware Protection 1Y Subs
L-FPR9K-44T-AMP-3Y	Cisco FPR9K SM-44 Threat Defense Malware Protection 3Y Subs
L-FPR9K-44T-AMP-5Y	Cisco FPR9K SM-44 Threat Defense Malware Protection 5Y Subs
L-FPR9K-44T-URL-1Y	Cisco FPR9K SM-44 Threat Defense URL Filtering 1Y Subs
L-FPR9K-44T-URL-3Y	Cisco FPR9K SM-44 Threat Defense URL Filtering 3Y Subs
L-FPR9K-44T-URL-5Y	Cisco FPR9K SM-44 Threat Defense URL Filtering 5Y Subs
L-FPR9K-44T-T-1Y	Cisco FPR9K SM-44 Threat Defense Threat Protection 1Y Subs
L-FPR9K-44T-T-3Y	Cisco FPR9K SM-44 Threat Defense Threat Protection 3Y Subs
L-FPR9K-44T-T-5Y	Cisco FPR9K SM-44 Threat Defense Threat Protection 5Y Subs
L-FPR9K-44T-TM-1Y	Cisco FPR9K SM-44 Threat Defense Threat and Malware 1Y Subs
L-FPR9K-44T-TM-3Y	Cisco FPR9K SM-44 Threat Defense Threat and Malware 3Y Subs
L-FPR9K-44T-TM-5Y	Cisco FPR9K SM-44 Threat Defense Threat and Malware 5Y Subs
L-FPR9K-44T-TC-1Y	Cisco FPR9K SM-44 Threat Defense Threat and URL 1Y Subs
L-FPR9K-44T-TC-3Y	Cisco FPR9K SM-44 Threat Defense Threat and URL 3Y Subs
L-FPR9K-44T-TC-5Y	Cisco FPR9K SM-44 Threat Defense Threat and URL 5Y Subs
L-FPR9K-44T-TMC-1Y	Cisco FPR9K SM-44 Threat Defense Threat, Malware, URL 1Y Sub
L-FPR9K-44T-TMC-3Y	Cisco FPR9K SM-44 Threat Defense Threat, Malware, URL 3Y Sub
L-FPR9K-44T-TMC-5Y	Cisco FPR9K SM-44 Threat Defense Threat, Malware, URL 5Y Sub

Table 39. Cisco Firepower 9300 Series license part numbers and subscription terms for Cisco Firepower Threat Defense on Security Module SM-40

FPR9K-SM-40	Firepower 9000 Series Security Module 40
L-FPR9K-40T-T=	Cisco FPR9K SM-40 Threat Defense Threat Protection License
L-FPR9K-40T-AMP=	Cisco FPR9K SM-40 Threat Defense Malware Protection License
L-FPR9K-40T-URL=	Cisco FPR9K SM-40 Threat Defense URL Filtering License
L-FPR9K-40T-TM=	Cisco FPR9K SM-40 Threat Defense Threat and Malware License
L-FPR9K-40T-TC=	Cisco FPR9K SM-40 Threat Defense Threat and URL License
L-FPR9K-40T-TMC=	Cisco FPR9K SM-40 Threat Defense Threat, Malware and URL License
L-FPR9K-40T-AMP-1Y	Cisco FPR9K SM-40 Threat Defense Malware Protection 1Y Subs
L-FPR9K-40T-AMP-3Y	Cisco FPR9K SM-40 Threat Defense Malware Protection 3Y Subs
L-FPR9K-40T-AMP-5Y	Cisco FPR9K SM-40 Threat Defense Malware Protection 5Y Subs
L-FPR9K-40T-URL-1Y	Cisco FPR9K SM-40 Threat Defense URL Filtering 1Y Subs
L-FPR9K-40T-URL-3Y	Cisco FPR9K SM-40 Threat Defense URL Filtering 3Y Subs
L-FPR9K-40T-URL-5Y	Cisco FPR9K SM-40 Threat Defense URL Filtering 5Y Subs
L-FPR9K-40T-T-1Y	Cisco FPR9K SM-40 Threat Defense Threat Protection 1Y Subs
L-FPR9K-40T-T-3Y	Cisco FPR9K SM-40 Threat Defense Threat Protection 3Y Subs
L-FPR9K-40T-T-5Y	Cisco FPR9K SM-40 Threat Defense Threat Protection 5Y Subs
L-FPR9K-40T-TM-1Y	Cisco FPR9K SM-40 Threat Defense Threat and Malware 1Y Subs
L-FPR9K-40T-TM-3Y	Cisco FPR9K SM-40 Threat Defense Threat and Malware 3Y Subs
L-FPR9K-40T-TM-5Y	Cisco FPR9K SM-40 Threat Defense Threat and Malware 5Y Subs
L-FPR9K-40T-TC-1Y	Cisco FPR9K SM-40 Threat Defense Threat and URL 1Y Subs
L-FPR9K-40T-TC-3Y	Cisco FPR9K SM-40 Threat Defense Threat and URL 3Y Subs
L-FPR9K-40T-TC-5Y	Cisco FPR9K SM-40 Threat Defense Threat and URL 5Y Subs
L-FPR9K-40T-TMC-1Y	Cisco FPR9K SM-40 Threat Defense Threat, Malware, URL 1Y Sub
L-FPR9K-40T-TMC-3Y	Cisco FPR9K SM-40 Threat Defense Threat, Malware, URL 3Y Sub
L-FPR9K-40T-TMC-5Y	Cisco FPR9K SM-40 Threat Defense Threat, Malware, URL 5Y Sub

Table 40. Cisco Firepower 9300 Series license part numbers and subscription terms for Cisco Firepower Threat Defense on Security Module SM-48

FPR9K-SM-48	Firepower 9000 Series Security Module 48
L-FPR9K-48T-T=	Cisco FPR9K SM-48 Threat Defense Threat Protection License
L-FPR9K-48T-AMP=	Cisco FPR9K SM-48 Threat Defense Malware Protection License
L-FPR9K-48T-URL=	Cisco FPR9K SM-48 Threat Defense URL Filtering License
L-FPR9K-48T-TM=	Cisco FPR9K SM-48 Threat Defense Threat and Malware License
L-FPR9K-48T-TC=	Cisco FPR9K SM-48 Threat Defense Threat and URL License
L-FPR9K-48T-TMC=	Cisco FPR9K SM-48 Threat Defense Threat, Malware and URL License
L-FPR9K-48T-AMP-1Y	Cisco FPR9K SM-48 Threat Defense Malware Protection 1Y Subs
L-FPR9K-48T-AMP-3Y	Cisco FPR9K SM-48 Threat Defense Malware Protection 3Y Subs
L-FPR9K-48T-AMP-5Y	Cisco FPR9K SM-48 Threat Defense Malware Protection 5Y Subs
L-FPR9K-48T-URL-1Y	Cisco FPR9K SM-48 Threat Defense URL Filtering 1Y Subs
L-FPR9K-48T-URL-3Y	Cisco FPR9K SM-48 Threat Defense URL Filtering 3Y Subs
L-FPR9K-48T-URL-5Y	Cisco FPR9K SM-48 Threat Defense URL Filtering 5Y Subs
L-FPR9K-48T-T-1Y	Cisco FPR9K SM-48 Threat Defense Threat Protection 1Y Subs
L-FPR9K-48T-T-3Y	Cisco FPR9K SM-48 Threat Defense Threat Protection 3Y Subs
L-FPR9K-48T-T-5Y	Cisco FPR9K SM-48 Threat Defense Threat Protection 5Y Subs
L-FPR9K-48T-TM-1Y	Cisco FPR9K SM-48 Threat Defense Threat and Malware 1Y Subs
L-FPR9K-48T-TM-3Y	Cisco FPR9K SM-48 Threat Defense Threat and Malware 3Y Subs
L-FPR9K-48T-TM-5Y	Cisco FPR9K SM-48 Threat Defense Threat and Malware 5Y Subs
L-FPR9K-48T-TC-1Y	Cisco FPR9K SM-48 Threat Defense Threat and URL 1Y Subs
L-FPR9K-48T-TC-3Y	Cisco FPR9K SM-48 Threat Defense Threat and URL 3Y Subs
L-FPR9K-48T-TC-5Y	Cisco FPR9K SM-48 Threat Defense Threat and URL 5Y Subs
L-FPR9K-48T-TMC-1Y	Cisco FPR9K SM-48 Threat Defense Threat, Malware, URL 1Y Sub
L-FPR9K-48T-TMC-3Y	Cisco FPR9K SM-48 Threat Defense Threat, Malware, URL 3Y Sub
L-FPR9K-48T-TMC-5Y	Cisco FPR9K SM-48 Threat Defense Threat, Malware, URL 5Y Sub

Table 41.   Cisco Firepower 9300 Series license part numbers and subscription terms for Cisco Firepower Threat Defense on Security Module SM-56

FPR9K-SM-56	Firepower 9000 Series Security Module 56
L-FPR9K-56T-T=	Cisco FPR9K SM-56 Threat Defense Threat Protection License
L-FPR9K-56T-AMP=	Cisco FPR9K SM-56 Threat Defense Malware Protection License
L-FPR9K-56T-URL=	Cisco FPR9K SM-56 Threat Defense URL Filtering License
L-FPR9K-56T-TM=	Cisco FPR9K SM-56 Threat Defense Threat and Malware License
L-FPR9K-56T-TC=	Cisco FPR9K SM-56 Threat Defense Threat and URL License
L-FPR9K-56T-TMC=	Cisco FPR9K SM-56 Threat Defense Threat, Malware and URL License
L-FPR9K-56T-AMP-1Y	Cisco FPR9K SM-56 Threat Defense Malware Protection 1Y Subs
L-FPR9K-56T-AMP-3Y	Cisco FPR9K SM-56 Threat Defense Malware Protection 3Y Subs
L-FPR9K-56T-AMP-5Y	Cisco FPR9K SM-56 Threat Defense Malware Protection 5Y Subs
L-FPR9K-56T-URL-1Y	Cisco FPR9K SM-56 Threat Defense URL Filtering 1Y Subs
L-FPR9K-56T-URL-3Y	Cisco FPR9K SM-56 Threat Defense URL Filtering 3Y Subs
L-FPR9K-56T-URL-5Y	Cisco FPR9K SM-56 Threat Defense URL Filtering 5Y Subs
L-FPR9K-56T-T-1Y	Cisco FPR9K SM-56 Threat Defense Threat Protection 1Y Subs
L-FPR9K-56T-T-3Y	Cisco FPR9K SM-56 Threat Defense Threat Protection 3Y Subs
L-FPR9K-56T-T-5Y	Cisco FPR9K SM-56 Threat Defense Threat Protection 5Y Subs
L-FPR9K-56T-TM-1Y	Cisco FPR9K SM-56 Threat Defense Threat and Malware 1Y Subs
L-FPR9K-56T-TM-3Y	Cisco FPR9K SM-56 Threat Defense Threat and Malware 3Y Subs
L-FPR9K-56T-TM-5Y	Cisco FPR9K SM-56 Threat Defense Threat and Malware 5Y Subs
L-FPR9K-56T-TC-1Y	Cisco FPR9K SM-56 Threat Defense Threat and URL 1Y Subs
L-FPR9K-56T-TC-3Y	Cisco FPR9K SM-56 Threat Defense Threat and URL 3Y Subs
L-FPR9K-56T-TC-5Y	Cisco FPR9K SM-56 Threat Defense Threat and URL 5Y Subs
L-FPR9K-56T-TMC-1Y	Cisco FPR9K SM-56 Threat Defense Threat, Malware, URL 1Y Sub
L-FPR9K-56T-TMC-3Y	Cisco FPR9K SM-56 Threat Defense Threat, Malware, URL 3Y Sub
L-FPR9K-56T-TMC-5Y	Cisco FPR9K SM-56 Threat Defense Threat, Malware, URL 5Y Sub

SKUs and Ordering Guidance for Cisco Firepower NGFWv

Cisco Firepower NGFWv is available where virtualized NGFW capability is required, including in public cloud environments. It is the virtualized version of Cisco Firepower NGFW. Deployments with Cisco Firepower NGFWv enable consistent security policies to follow workloads across your physical, virtual, and cloud environments, and between clouds. Complexity is further minimized with simple provisioning and a single console, the Firepower Management Center (FMC), which enables threat visibility, and automated defense, across your estate. FMC manages both physical Firepower NGFW appliances and Firepower NGFWv instances. See the Firepower Management Center section of this guide for FMC part numbers.

In Amazon Web Services (AWS) environments, Cisco Firepower NGFWv instances can be managed either by an on-premises FMC, or in AWS with the virtualized Cisco Firepower Management Center, FMCv. When deployed in AWS environments, two licensing models are available:

- Bring Your Own License (BYOL), where an existing NGFWv license is required
- Hourly billing (a pay-as-you-go model) available through the AWS interface

Cisco Firepower NGFWv enables inter-VM and east-west traffic inspection, as well as at ingress and egress points to the cloud. It is designed to address security concerns in both traditional networks infrastructures and to be optionally inserted into Cisco's Application Centric Infrastructure (ACI) for flexible orchestration.

Table 42.   Cisco Firepower NGFWv Base and Subscription SKUs

SKUs		
Base License	**Term Subscription**	**Description**
FPRTD-V-K9		Cisco Firepower NGFWv Base License

Term Licenses	Term Subscription	Description
L-FPRTD-V-TMC=	L-FPRTD-V-TMC-1Y	Cisco Firepower NGFWv Threat Defense Threat, Malware, and URL 1YR Subscription
L-FPRTD-V-TMC=	L-FPRTD-V-TMC-3Y	Cisco Firepower NGFWv Threat Defense Threat, Malware, and URL 3YR Subscription
L-FPRTD-V-TMC=	L-FPRTD-V-TMC-5Y	Cisco Firepower NGFWv Threat Defense Threat, Malware, and URL 5YR Subscription
L-FPRTD-V-T=	L-FPRTD-V-T-1Y	Cisco Firepower NGFWv Threat Defense Threat Protection 1YR Subscription
L-FPRTD-V-T=	L-FPRTD-V-T-3Y	Cisco Firepower NGFWv Threat Defense Threat Protection 3YR Subscription
L-FPRTD-V-T=	L-FPRTD-V-T-5Y	Cisco Firepower NGFWv Threat Defense Threat Protection 5YR Subscription
L-FPRTD-V-URL=	L-FPRTD-V-URL-1Y	Cisco Firepower NGFWv Threat Defense URL Filtering 1YR Subscription
L-FPRTD-V-URL=	L-FPRTD-V-URL-3Y	Cisco Firepower NGFWv Threat Defense URL Filtering 3YR Subscription

Term Licenses	Term Subscription	Description
L-FPRTD-V-URL=	L-FPRTD-V-URL-5Y	Cisco Firepower NGFWv Threat Defense URL Filtering 5YR Subscription
L-FPRTD-V-TC=	L-FPRTD-V-TC-1Y	Cisco Firepower NGFWv Threat Defense Threat and URL 1Y Subscription
L-FPRTD-V-TC=	L-FPRTD-V-TC-3Y	Cisco Firepower NGFWv Threat Defense Threat and URL 3Y Subscription
L-FPRTD-V-TC=	L-FPRTD-V-TC-5Y	Cisco Firepower NGFWv Threat Defense Threat and URL 5Y Subscription
L-FPRTD-V-TM=	L-FPRTD-V-TM-1Y	Cisco Firepower NGFWv Threat Defense Threat and Malware Protection 1Y Subscription
L-FPRTD-V-TM=	L-FPRTD-V-TM-3Y	Cisco Firepower NGFWv Threat Defense Threat and Malware Protection 3Y Subscription
L-FPRTD-V-TM=	L-FPRTD-V-TM-5Y	Cisco Firepower NGFWv Threat Defense Threat and Malware Protection 5Y Subscription
L-FPRTD-V-AMP=	L-FPRTD-V-AMP-1Y	Cisco Firepower NGFWv Threat Defense Malware Protection 1Y Subscription
L-FPRTD-V-AMP=	L-FPRTD-V-AMP-3Y	Cisco Firepower NGFWv Threat Defense Malware Protection 3Y Subscription
L-FPRTD-V-AMP=	L-FPRTD-V-AMP-5Y	Cisco Firepower NGFWv Threat Defense Malware Protection 5Y Subscription

SKUs and Ordering Guidance for Cisco Firepower Threat Defense Software on Select ASA Hardware

Select Cisco ASA 5500-X appliances can be deployed as a Next-Generation Firewall (NGFW) by running the Cisco Firepower Threat Defense unified software image. Threat Defense software on the ASA 5500-X brings threat-focused, next-generation security to the following Next-Generation Firewalls: Cisco ASA 5508-X and 5516-X.

Threat Defense software on ASA 5500-X hardware includes combinations of the following orderable components:

- Cisco Firepower Threat Defense software on ASA 5508-X, 5516-X appliances. High availability capability (Security Plus) is standard for all appliances as part of the base Threat Defense software and does not require a separate license.

- Application Visibility and Control (AVC) (included in the base image)

- Threat Defense software on ASA 5500-X subscriptions (1-year, 3-year, and 5-year terms) for:
  ◦ Cisco Intrusion Prevention System (IPS) with Security Intelligence and DNS (optional subscription)
  ◦ Reputation- and category-based URL Filtering (optional subscription)
  ◦ Malware Defense (formerly AMP) and Cisco Threat Grid (optional subscription)

- Centralized management systems
  - Cisco Firepower Management Center, physical or virtual appliance

- On-device management (included in v6.1 and later versions)
  - Cisco Firepower Device Manager

- Cisco SSL Appliances (optional)

- Cisco Smart Net Total Care support services

- Cisco Software Application Support plus Upgrades (SASU)

The following tables outline the product information for base 5500-X hardware available with the Threat Defense software image. Table 34 corresponds to Cisco ASA with Firepower Threat Defense software on Cisco ASA 5508-X and 5516-X.

Table 43. Cisco ASA 5500-X low- and midrange appliances with solid-state drive (SSD) and Cisco Firepower Threat Defense software modules

Part Number	Description
ASA5508-FTD-K9	ASA 5508-X with Threat Defense software, 8 GE Data, 1 GE Management, AC, 3DES/AES
ASA5516-FTD-K9	ASA 5516-X with Threat Defense software, 8 GE Data, 1 GE Management, AC, 3DES/AES

Installing Firepower Threat Defense Software Image on Existing ASA with FirePOWER Services Appliances

Customers who already have a midrange Cisco ASA 5500-X appliance with an SSD will first need to create a Smart Licensing account on Cisco's Smart Software Manager portal before initiating an order for the relevant service subscriptions to run Threat Defense software. Next, you will need to migrate your existing ASA with FirePOWER Services licenses to Cisco Firepower Threat Defense licenses on the License Registration Portal. Customers who only have a TA license cannot use the License Registration portal. Instead they will need to file a GLO case to have their licenses migrated.
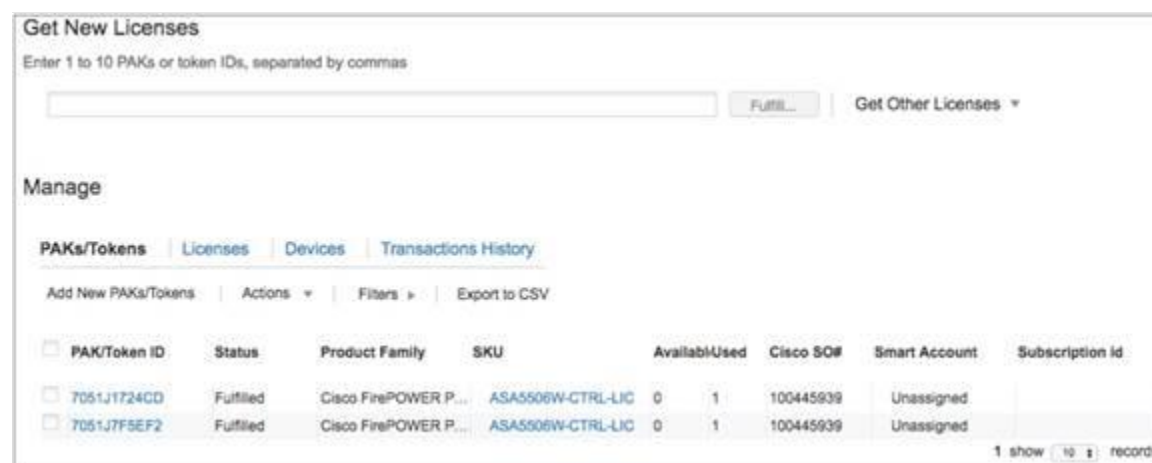

Figure 8.
License registration portal

For more information see: Firepower Threat Defense - Smart Licensing FAQs and Smart Licensing.

When the order is placed, you will need to reimage the existing ASA 5500-X Series hardware with the Threat Defense software. Please refer to the [Cisco Firepower Threat Defense Getting Started Guide for the ASA](#) for detailed instructions.

Table 44. Spare SSD for existing midrange Cisco ASA 5500-X customers

Part Number	Description
ASA5500X-SSD120=	ASA 5508-X through 5555-X 120-GB MLC SED SSD (spare)

To support failover and high-availability pairs, the primary and secondary platforms both need their own individual subscription licenses. Subscription licenses are not shared between primary and secondary NGFW platforms.

Bundle SKUs are the recommended approach to configure an order. By selecting a bundle SKU for a specific hardware appliance, the ordering tool will present you with a list of components that are compatible with that appliance. You are given the opportunity to select from this list of options to configure your order.

Table 45. Cisco ASA 5500-X with Threat Defense software appliance bundle SKUs

Cisco Firepower Threat Defense Software on ASA 5500-X Series Bundles (Hardware and Subscription)	
Part Number	**Product Description**
ASA5508-FTD-BUN	ASA 5508-X with Threat Defense Software, Chassis, and Threat Defense Software Subscription license Bundle
ASA5516-FTD-BUN	ASA 55016-X with Threat Defense Software, Chassis, and Threat Defense Software Subscription license Bundle
ASA5508-FTD-HA-BUN	ASA 5508-X with Threat Defense Software, Chassis, and Threat Defense Software Subscription license Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)
ASA5516-FTD-HA-BUN	ASA 5516-X with Threat Defense Software, Chassis, and Threat Defense Software Subscription license Bundle (will order 2 identical chassis and software subscriptions to be configured as a high-availability pair)

SKUs for Cisco Firepower Threat Defense Software on Select NEW ASA Appliances

The following tables provide ordering information for all Threat Defense software on ASA appliances. For optimal threat defense, we recommend choosing one of the multiservice subscriptions highlighted below. As well, we recommend multiyear subscriptions to customers for value and convenience.

Threat Subscription Abbreviations	Description
T	Threat (Security Intelligence, DNS, and Cisco Firepower Next-Generation IPS)
M or AMP	Advanced Malware Protection for Networks and Threat Grid (AMP)
C or URL	URL Filtering

Threat Subscription Abbreviations	Description
1Y	1-Year Subscription
3Y	3-Year Subscription
5Y	5-Year Subscription

Table 46. Cisco Firepower Threat Defense software on ASA 5508-X SKUs

Cisco ASA 5508-X with Threat Defense Software Term License and Subscription SKUs		
Term License	**Term Subscription**	**Description**
L-ASA5508T-TMC=	L-ASA5508T-TMC-1Y	Cisco ASA5508 Threat Defense Threat, Malware, and URL 1YR Subscription
L-ASA5508T-TMC=	L-ASA5508T-TMC-3Y	Cisco ASA5508 Threat Defense Threat, Malware, and URL 3YR Subscription
L-ASA5508T-TMC=	L-ASA5508T-TMC-5Y	Cisco ASA5508 Threat Defense Threat, Malware, and URL 5YR Subscription
L-ASA5508T-T=	L-ASA5508T-TP-1Y	Cisco ASA5508 Threat Defense Threat Protection 1YR Subscription
L-ASA5508T-T=	L-ASA5508T-TP-3Y	Cisco ASA5508 Threat Defense Threat Protection 3YR Subscription
L-ASA5508T-T=	L-ASA5508T-TP-5Y	Cisco ASA5508 Threat Defense Threat Protection 5YR Subscription
L-ASA5508T-URL=	L-ASA5508T-URL-1Y	Cisco ASA5508 Threat Defense URL Filtering 1YR Subscription
L-ASA5508T-URL=	L-ASA5508T-URL-3Y	Cisco ASA5508 Threat Defense URL Filtering 3YR Subscription
L-ASA5508T-URL=	L-ASA5508T-URL-5Y	Cisco ASA5508 Threat Defense URL Filtering 5YR Subscription
L-ASA5508T-TC=	L-ASA5508T-TC-1Y	Cisco ASA5508 Threat Defense Threat and URL 1Y Subscription
L-ASA5508T-TC=	L-ASA5508T-TC-3Y	Cisco ASA5508 Threat Defense Threat and URL 3Y Subscription
L-ASA5508T-TC=	L-ASA5508T-TC-5Y	Cisco ASA5508 Threat Defense Threat and URL 5Y Subscription
L-ASA5508T-TM=	L-ASA5508T-TM-1Y	Cisco ASA5508 Threat Defense Threat and Malware Protection 1Y Subscription
L-ASA5508T-TM=	L-ASA5508T-TM-3Y	Cisco ASA5508 Threat Defense Threat and Malware Protection 3Y Subscription
L-ASA5508T-TM=	L-ASA5508T-TM-5Y	Cisco ASA5508 Threat Defense Threat and Malware Protection 5Y Subscription
L-ASA5508T-AMP=	L-ASA5508T-AMP-1Y	Cisco ASA5508 Threat Defense Malware Protection 1Y Subscription
L-ASA5508T-AMP=	L-ASA5508T-AMP-3Y	Cisco ASA5508 Threat Defense Malware Protection 3Y Subscription
L-ASA5508T-AMP=	L-ASA5508T-AMP-5Y	Cisco ASA5508 Threat Defense Malware Protection 5Y Subscription

Table 47. Cisco Firepower Threat Defense software on ASA 5516-X SKUs

Cisco ASA 5516-X with Threat Defense Software Term License and Subscription SKUs		
Term License	**Term Subscription**	**Description**
L-ASA5516T-TMC=	L-ASA5516T-TMC-1Y	Cisco ASA5516 Threat Defense Threat, Malware, and URL 1YR Subscription
L-ASA5516T-TMC=	L-ASA5516T-TMC-3Y	Cisco ASA5516 Threat Defense Threat, Malware, and URL 3YR Subscription
L-ASA5516T-TMC=	L-ASA5516T-TMC-5Y	Cisco ASA5516 Threat Defense Threat, Malware, and URL 5YR Subscription
L-ASA5516T-T=	L-ASA5516T-TP-1Y	Cisco ASA5516 Threat Defense Threat Protection 1YR Subscription
L-ASA5516T-T=	L-ASA5516T-TP-3Y	Cisco ASA5516 Threat Defense Threat Protection 3YR Subscription
L-ASA5516T-T=	L-ASA5516T-TP-5Y	Cisco ASA5516 Threat Defense Threat Protection 5YR Subscription
L-ASA5516T-URL=	L-ASA5516T-URL-1Y	Cisco ASA5516 Threat Defense URL Filtering 1YR Subscription
L-ASA5516T-URL=	L-ASA5516T-URL-3Y	Cisco ASA5516 Threat Defense URL Filtering 3YR Subscription
L-ASA5516T-URL=	L-ASA5516T-URL-5Y	Cisco ASA5516 Threat Defense URL Filtering 5YR Subscription
L-ASA5516T-TC=	L-ASA5516T-TC-1Y	Cisco ASA5516 Threat Defense Threat and URL 1Y Subscription
L-ASA5516T-TC=	L-ASA5516T-TC-3Y	Cisco ASA5516 Threat Defense Threat and URL 3Y Subscription
L-ASA5516T-TC=	L-ASA5516T-TC-5Y	Cisco ASA5516 Threat Defense Threat and URL 5Y Subscription
L-ASA5516T-TM=	L-ASA5516T-TM-1Y	Cisco ASA5516 Threat Defense Threat and Malware Protection 1Y Subscription
L-ASA5516T-TM=	L-ASA5516T-TM-3Y	Cisco ASA5516 Threat Defense Threat and Malware Protection 3Y Subscription
L-ASA5516T-TM=	L-ASA5516T-TM-5Y	Cisco ASA5516 Threat Defense Threat and Malware Protection 5Y Subscription
L-ASA5516T-AMP=	L-ASA5516T-AMP-1Y	Cisco ASA5516 Threat Defense Malware Protection 1Y Subscription
L-ASA5516T-AMP=	L-ASA5516T-AMP-3Y	Cisco ASA5516 Threat Defense Malware Protection 3Y Subscription
L-ASA5516T-AMP=	L-ASA5516T-AMP-5Y	Cisco ASA5516H Threat Defense Malware Protection 5Y Subscription
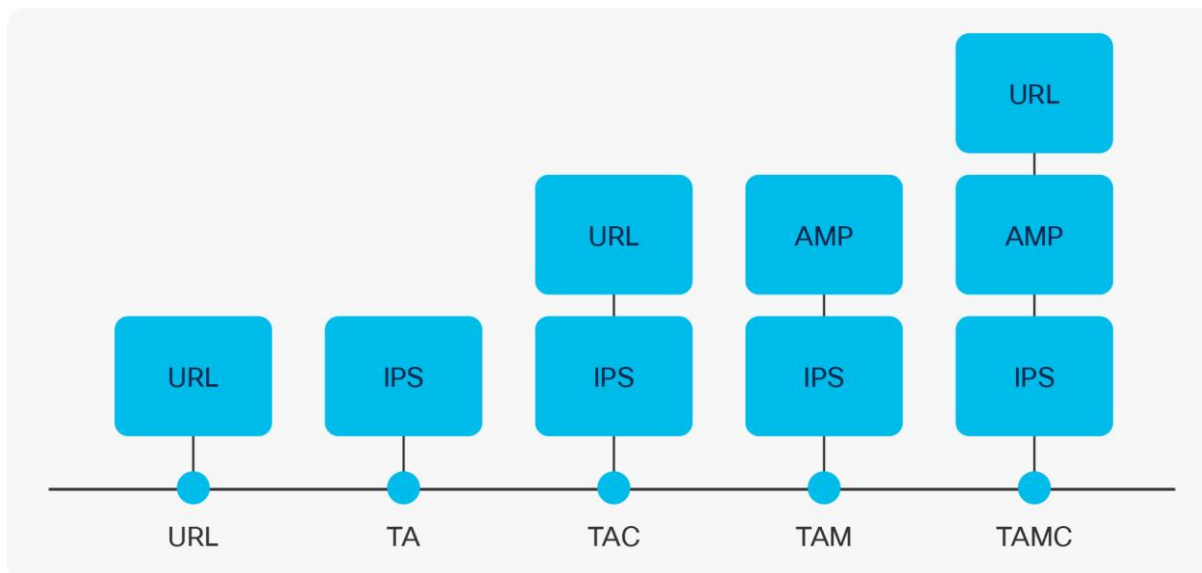
Figure 9.
Available subscription-packaging options

Table 48.   Software subscription SKU decoder

Code	Feature Description
TA	IPS and Apps Updates subscription (1-, 3-, and 5-year options)
TAC	IPS and Apps Updates plus URL Filtering subscription (1-, 3-, and 5-year options)
TAM	IPS and Apps Updates plus AMP subscription (1-, 3-, and 5-year options)
TAMC	IPS and Apps Updates plus URL Filtering and AMP subscription (1-, 3-, and 5-year options)
URL	URL Filtering subscription (1-, 3-, and 5-year options)

Purchase of a perpetual software license entitles a customer to activate the features on an associated Cisco ASA 5500-X Series platform only. For example, customers who buy a Cisco ASA 5515-X with FirePOWER Services and a 1-year IPS service subscription are entitled to apply the subscription to a single Cisco ASA 5515-X with FirePOWER Services appliance.

Following the completion of the term, the licenses will be deactivated unless they are renewed.
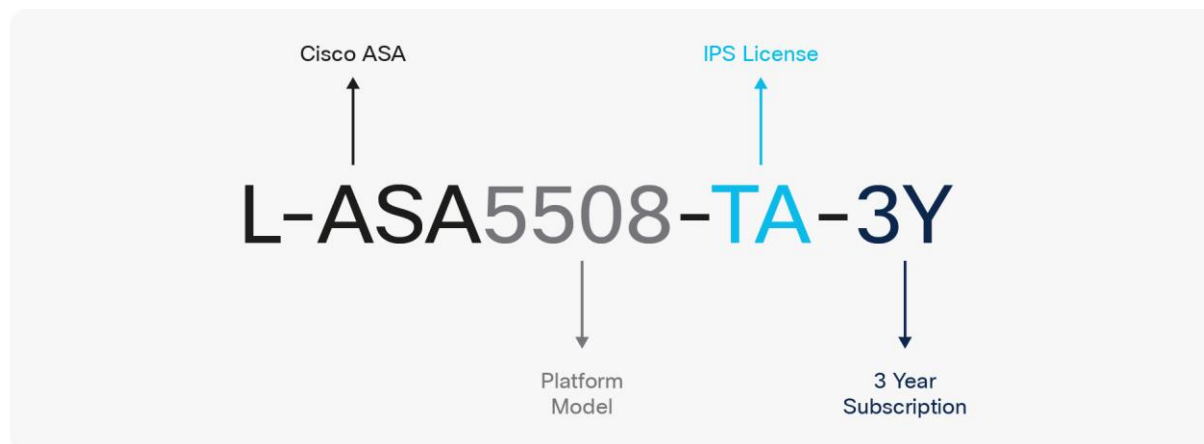

Figure 10.
Example SKU: Cisco ASA with FirePOWER Services license for IPS and apps (NGFW) for a 3-year term

When customers order a subscription, they receive an activation key unique to that product. They use this key to generate a license to install the FirePOWER Services feature license on the appropriate virtual or physical Management Center appliance. Management Center controls and manages FirePOWER Services or Threat Defense software licenses and feature subscriptions.

The following table shows ordering information for a sample valid Cisco Commerce configuration for the Cisco ASA with FirePOWER Services appliance.

Table 49. Cisco Commerce configuration for Cisco ASA with FirePOWER Services

Line Number	Item Name	Description
1.0	ASA5525-FPWR-BUN	ASA 5525-X with FirePOWER Services Chassis and Subs. Bundle
1.1	ASA5525-FPWR-K9	ASA 5525-X with FirePOWER Services 8 GE AC 3DES/AES SSD
1.1.0.1	CON-SNT-A25FPK9	Cisco Smart Net Total Care 8x5xNBD ASA 5525-X with FirePOWER Services, 8 GE
1.1.1	SF-ASA-X-9.2.2-K8	ASA 9.2.2 Software image for ASA 5500-X Series, ASA-SM
1.1.3	ASA5525-CTRL-LIC	Cisco ASA5525 Control License
1.1.4	CAB-AC	AC Power Cord (North America), C13, NEMA 5-15P, 2.1m
1.1.5	ASA-VPN-CLNT-K9	Cisco VPN Client Software (Windows, Solaris, Linux, Mac)
1.1.6	ASA5500-ENCR-K9	ASA 5500 Strong Encryption License (3DES/AES)
1.1.7	ASA-ANYCONN-CSD-K9	ASA 5500 AnyConnect Client + Cisco Security Desktop Software
1.1.8	ASA5500X-SSD120INC	ASA 5508-X through 5555-X 120 GB MLC SED SSD (Incl.)
1.1.9	ASA5525-MB	ASA 5525 IPS Part Number with which PCB Serial is associated
1.2	L-ASA5525-TAMC=	Cisco ASA5525 FirePOWER IPS AMP and URL Licenses

Line Number	Item Name	Description
1.2.0.1	L-ASA5525-TAMC-3Y	Cisco ASA5525 FirePOWER IPS, AMP and URL 3YR Subs
2.0	FS750-K9	Cisco Firepower Management Center 750 Chassis 1 rack unit (1RU)
2.0.1	CON-SNT-FS750	Cisco Smart Net Total Care 8x5xNBD Firepower FS750
2.1	CAB-AC	AC Power Cord (North America) C13 NEMA 5-15P 2.1m
2.2	SF-FS5.2-K9	Cisco Firepower Management Center Software v5.2
2.3	FS750-Fpower-LIC	Cisco Firepower Management Center 750 Software License
2.3.0.1	CON-SAU-FS750	SASU Cisco Firepower 750

SKUs for All Cisco ASA with FirePOWER Services

The following tables provide ordering information for all Cisco ASA with FirePOWER Services appliances. The base hardware includes Cisco ASA firewall software, Cisco AVC functionality, and the Cisco ASDM.

Table 50.   Cisco ASA 5500-X Series with FirePOWER Services appliances SKUs

Cisco ASA with FirePOWER Services 5500-X Series Bundles (Hardware and Subscription)	
Part Number	**Product Description**
ASA5508-FPWR-BUN	ASA 5508-X with FirePOWER Services Chassis and Subs. Bundle
ASA5516-FPWR-BUN	ASA 5516-X with FirePOWER Services Chassis and Subs. Bundle

Note: The bundle (hardware and subscription) SKUs and Upgrade (UPG) SKUs offer a convenient mechanism for ordering both the appliances and software subscriptions in a single SKU configuration.

Table 51.   Cisco ASA 5500-X low- and midrange appliances with Solid-State Drive (SSD) and FirePOWER Services software modules

Cisco ASA with FirePOWER Services 5500-X Series Appliances with SSD	
Part Number	**Product Description**
ASA5508-K9	ASA 5508-X with FirePOWER services, 8 GE Data, 1 GE Management, AC, 3DES/AES
ASA5508-K8	ASA 5508-X with FirePOWER services, 8 GE Data, 1 GE Management, AC, DES
ASA5516-FPWR-K8	ASA 5516-X with FirePOWER services, 8 GE Data, 1 GE Management, AC, DES
ASA5516-FPWR-K9	ASA 5516-X with FirePOWER services, 8 GE Data, 1 GE Management, AC, 3DES/AES

Note: When ordering ASA5506H-SP-BUN-K8 or ASA5506H-SP-BUN-K9 in CCW, you must "Select Options" for the hardware K8 or K9 appliance to add either AC or DC power.

Customers who already have a midrange Cisco ASA 5500-X appliance need an SSD (Table 53), applicable FirePOWER Services upgrade license (Table 54), and relevant service subscriptions to run FirePOWER Services.

Table 52.   Spare SSD for existing midrange Cisco ASA 5500-X customers

Cisco ASA 5500-X Series Appliances Spare SSD		Cisco Smart Net Total Care SKU
ASA5500X-SSD120=	ASA 5508-X through 5516-X 120 GB MLC SED SSD (spare)	CON-SNT-ASD120

Table 53.   Cisco ASA 5500-X FirePOWER Services upgrade licenses

Cisco ASA 5500-X Series Appliances with FirePOWER Software Upgrade Licenses	
ASA5508-CTRL-LIC=	Cisco ASA5508 FirePOWER Services Upgrade Control License
ASA5516-CTRL-LIC=	Cisco ASA5516 FirePOWER Services Upgrade Control License

Cisco ASA 5500-X Series Accessories	
Cisco GE optical SFP connector, 1000BASE-SX short-wavelength transceiver (spare)	GLC-SX-MM=
Cisco GE optical SFP connector, 1000BASE-LX/LH long-wavelength/long-haul transceiver (spare)	GLC-LH-SM=
Cisco GE optical SFP connector, 1000BASE-SX short-wavelength transceiver, Digital Optical Monitoring (DOM) (spare)	GLC-SX-MMD=
Cisco GE optical SFP connector, 1000BASE-LX/LH long-wavelength/long-haul transceiver, DOM (spare)	GLC-LH-SMD=

To support failover and high-availability pairs, the primary and secondary platforms both need their own individual subscription licenses. Subscription licenses are not shared between primary and secondary NGFW platforms.

Table 54.   Cisco ASA 5506W-X FirePOWER Services subscription SKUs

Table 55.   Hardware accessories (spares)

Cisco Appliance Accessories	
Part Number	**Product Description**
ASA5508-FIPS-Kit=	ASA 5508 FIPS Kit
ASA5508-BRACKET=	ASA 5508 Rackmount Kit
ASA5508-SSD=	ASA 5508 SSD
ASA5516-FIPS-KIT	ASA 5516 FIPS Kit
ASA5516-BRACKET=	ASA 5516 Rackmount Kit
ASA5516-SSD=	ASA 5516 SSD

SKUs and Ordering Guidance for Cisco ASA Firewall

The Cisco ASA physical and virtual firewall includes combinations of the following orderable components:

- Cisco ASA enterprise-class stateful firewall operating system, with site-to-site and remote-access VPN and advanced clustering capability for high-performance access and high availability that helps ensure business continuity (included)

- Application Visibility and Control (AVC) (included)

- Cisco Adaptive Security Virtual Appliance (ASAv)

- Centralized management systems
  - Cisco Security Manager

- On-device management (included)
  - Cisco Adaptive Security Manager (ASDM 7.3)

- Cisco Software Application Support plus Upgrades (SASU)

Cisco ASA 5500-X Series, Cisco Firepower 1000 Series, Cisco Firepower 2100 Series, Cisco Firepower 4100 Series, and Cisco Firepower 9300 appliances function as a stateful firewall when running the ASA operating system. This is sometimes referred to as a L3/L4 firewall. The ASA Firewall delivers enterprise-class firewall capabilities for ASA devices in an array of form factors—standalone appliances, blades, and virtual appliances—for any distributed network environment. Among its benefits, Cisco ASA Software:

- Offers integrated IPS, VPN, and unified communications capabilities

- Helps increase capacity and improve performance through high-performance, multisite, multinode clustering

- Delivers high availability for high-resiliency applications

- Provides collaboration between physical and virtual devices

- Provides context awareness with Cisco TrustSec® security group tags and identity-based firewall technology

- Facilitates dynamic routing and clientless and site-to-site VPN on a per-context basis

Cisco ASA software also supports next-generation encryption standards, including the Suite B set of cryptographic algorithms. It also integrates with the Cisco Cloud Web Security solution to provide world-class, web-based threat protection.

Tables below provide ordering information for all Cisco ASA physical and virtual appliances. The base hardware includes Cisco ASA Firewall software, Cisco AVC functionality, and the Cisco ASDM.

Table 56. Cisco ASA 5500-X low- and midrange appliances with Solid-State Drive (SSD)

Cisco ASA 5500-X Series Firewall Appliances with SSD	
Part Number	**Product Description**
ASA5506-K9	ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt., AC, 3DES/AES, SSD
ASA5506-K8	ASA 5506-X with FirePOWER services, 8GE Data, 1GE Mgmt., AC, DES, SSD
ASA5508-K9	ASA 5508-X with FirePOWER services, 8GE Data, 1GE Management, AC, 3DES/AES
ASA5508-K8	ASA 5508-X with FirePOWER services, 8GE Data, 1GE Management, AC, DES
ASA5516-FPWR-K8	ASA 5516-X with FirePOWER services, 8GE Data, 1GE Management, AC, DES
ASA5516-FPWR-K9	ASA 5516-X with FirePOWER services, 8GE Data, 1GE Management, AC, 3DES/AES

SKUs and Ordering Guidance for Cisco Adaptive Security Virtual Appliance (ASAv)

The Cisco ASAv brings the power of ASA to the virtual domain and private cloud environments. It runs the same software as the physical ASA appliance to deliver proven security functionality. You can use ASAv to protect virtual workloads within your data center. Later, you can expand, contract, or shift the location of these workloads over time and can span physical and virtual infrastructures. The Adaptive Security Virtual Appliance runs as a virtual machine inside a hypervisor in a virtual host. Most of the features that are supported on a physical ASA by Cisco software are supported on the virtual appliance as well, except for clustering and multiple contexts. The virtual appliance supports site-to-site VPN, remote-access VPN, and clientless VPN functionalities as supported by physical ASA devices. See the ASAv data sheet for more details.

Table 57. Cisco Adaptive Security Virtual Appliance (ASAv)

Cisco Adaptive Security Virtual Appliance (ASAv)	
L-ASAV10S-K9=	Cisco ASAv10 (1 Gbps) selection
L-ASAV10S-STD	Cisco ASAv10 (1 Gbps) with all firewall features licensed
L-ASAV10S-STD-16	16-pack Cisco ASAv10 (1 Gbps) with all firewall features licensed
L-ASAV30S-K9=	Cisco ASAv30 (2 Gbps) selection
L-ASAV30S-STD	Cisco ASAv30 (2 Gbps) with all firewall features licensed
L-ASAV30S-STD-4	4-pack Cisco ASAv30 (2 Gbps) with all firewall features licensed
L-ASAV5S-K9=	Cisco ASAv5 (100 Mbps) selection

Cisco Adaptive Security Virtual Appliance (ASAv)	
L-ASAV5S-STDK9-8	8-pack Cisco ASAv5 (100 Mbps) with all firewall features licensed
L-ASAV50S-K9=	Cisco ASAv50 selection
L-ASAV50S-STD-4	4-Pack Cisco ASAv50 with all firewall features licensed

Note: For ASAv, remote-access VPN and clientless VPN functionality can be licensed separately as outlined in https://www.cisco.com/c/en/us/products/collateral/security/anyconnect-secure-mobility-client/guide-c07-732790.html.

SKUs and Ordering Details for Cisco ASA 5500-X Series 6-Port GE Interface Cards

Cisco ASA 5500-X Series 6-port Gigabit Ethernet interface cards extend the I/O profile of the Cisco ASA 5500-X Series appliances[*] by providing additional Gigabit Ethernet ports. The cards provide the following benefits:

- Better segmentation of network traffic into separate security zones

- Fiber-optic cable connectivity for long-distance communication

- Load sharing of traffic as well as protection against link failure through the use of EtherChannel

- Support for jumbo Ethernet frames of up to 9000 bytes

- Protection against cable failure for the most demanding active/active failover and full-mesh firewall deployments

Note: [*]Not available on ASA 5505, 5506-X, and 5508-X or ASA 5516-X and 5585-X

Table 58. Cisco ASA 5500-X Series 6-Port GE interface cards

Cisco Interface Cards	
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5525-X	ASA-IC-6GE-CU-B
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5545-X and ASA 5555-X	ASA-IC-6GE-CU-C
Cisco ASA Interface Card with 6 SFP GE data ports (SX, LH, and LX) for ASA 5525-X	ASA-IC-6GE-SFP-B
Cisco ASA Interface Card with 6 SFP GE data ports (SX, LH, and LX) for ASA 5545-X and ASA 5555-X	ASA-IC-6GE-SFP-C
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5525-X (spare)	ASA-IC-6GE-CU-B=
Cisco ASA Interface Card with 6 copper GE data ports for ASA 5545-X and ASA 5555-X (spare)	ASA-IC-6GE-CU-C=

Virtual Firepower Appliance (NGIPSv)

Cisco virtual Firepower appliances provide all of the threat protection capabilities found in the Firepower physical appliances. Virtual appliances are designed to protect assets in a virtual network and to use a customer's existing VMware infrastructure to protect assets in a physical network. Version 5.x virtual appliances can be hosted on VMware ESX/ESXi. Although not available as a dedicated network-based AMP configuration, the virtual appliance has an AMP license available (order virtual appliance 5.x for the VMware Advanced Malware Protection subscription). Additionally, a URL Filtering subscription license can be ordered for the virtual appliance.

System requirements are available in the NGIPS Virtual Appliance for VMware [data sheet](#).

Firepower Virtual Appliances: Multiple-Quantity Order

When ordered, Firepower virtual appliances are licensed as software since they are not tied to a hardware appliance platform. The result is that if multiple virtual appliances are ordered, a single product authorization key, or PAK, is generated for that quantity. In Figure 11, a quantity of 10 virtual sensors with a subscription is configured. A single PAK would be generated for the entire quantity. In this example, all 10 virtual sensors must be registered to the same Cisco Firepower Management Center. The 10 cannot be separated into smaller quantities.

Should the customer require virtual appliances to be registered to different Cisco Firepower Management Centers, desired quantities must be ordered as separate line items. The customer can then register each group of five appliances to a different Cisco Firepower Management Center if so desired.

Regardless of the licenses installed and applied, virtual appliances do not support hardware-based features, including clustering, switching, routing, Network Address Translation, fast-path, and fail-open; nor is VPN supported. Also, virtual appliances do not have a local web-based interface.

Qualys Connector

The Qualys Connector is a software application that collects Qualys Guard vulnerability report data and sends it to the Cisco Firepower Management Center. The Qualys vulnerability data is then aggregated with Cisco's vulnerability information found in the host map. Customers can choose to use Cisco or Qualys vulnerability data, or both, for Impact Flag calculations and automatic rule recommendations.

Firepower Product Licensing and License Activation

- The customer logs on to https://cisco.com/go/licensing and uses the Smart Licensing feature to request a token to be installed in the FMC or FDM. This license is then applied to the Cisco Firepower Management Center that is going to manage the feature or appliance.

- Exception: AMP for Endpoints does not require an activation key at this time.

High-Availability Configurations

Type 1: NGFW High-Availability

- If the customer wants high availability for sensors, two appliances are required.

- Appliances must be of the same model and generation.

- Both appliances must be identically licensed and have support.

- Licenses will be applied to the same primary Cisco Firepower Management Center managing the high-availability pair.

Advanced Malware Protection for Networks

Cisco AMP for Networks is based on the FirePOWER platform. It delivers network-based protection against targeted and advanced malware attacks. AMP for Networks is available in two deployment options:

- As an add-on, software-enabled subscription that can be added to any FirePOWER appliance as part of a FirePOWER NGIPS configuration.

- As a purpose-built, dedicated appliance based on FirePOWER technology that is optimized to deliver enhanced AMP-related performance and meet storage requirements. A separate subscription is required for AMP functionality, even with dedicated AMP for Networks appliances.

Snort Subscriber Rule Set: Subscription Options

Personal: This subscription type is for use in a home network environment. If you'd like to purchase a subscription online using a credit card, you may do so. For a personal subscription, please go to https://www.snort.org/products to place an order. It is not available to purchase on Cisco Commerce. As you approach the expiration date, renewal by way of Snort.org is automatic for credit card orders and is part of the license agreement.

Business: This subscription type is for use in businesses, nonprofit organizations, colleges and universities, government agencies, consultancies, and other venues where Snort sensors are in use in a production or lab environment. This subscription type does not include a license to redistribute the Snort Subscriber Rule Set except as described in section 2.1 of the Rule Set license agreement.

If you'd like to purchase a Rule subscription online using a credit card, you may do so. Customers or end users who cannot purchase by credit card are requested to contact a partner or distributor who can purchase on their behalf through Cisco Commerce. If you need assistance with a quote, contact snort-sub@cisco.com. Unlike Snort.org automatic renewals, orders placed in Cisco Commerce require a manual renewal to trigger another subscription. Important: Email address of the recipient of the subscription license needs to be included on the order for electronic delivery.

For more information, visit: https://www.snort.org/products.

SKUs and Ordering Guidance for Cisco Security Manager

Cisco Security Manager provides scalable and centralized operations management for ASA functions, including policy and object management, event management, reporting, and troubleshooting for Cisco ASA firewall functions. The Security Manager can be used to manage:

- Cisco ASA 5500 Series and ASA 5500-X Series appliances
- Cisco Firepower 2100, 4100 and 9300 series platforms for ASA management
- ASAv on VMware and KVM
- Cisco AnyConnect Secure Mobility Client
- Integrated Services Router (ISR) platforms running a Cisco IOS® Software security image
- Cisco Catalyst 6500 Series ASA Services Modules

Security Manager is available in two feature levels: Standard and Professional (Table 94). Enterprise customers with numerous security devices will benefit from Security Manager Professional, and customers with fewer security device deployments will find Security Manager Standard an exceptional value. For small-scale and simple deployments, the Cisco Adaptive Security Device Manager (ASDM) is available to provide on-device, GUI-based firewall network operations management for Cisco ASA with FirePOWER Services deployments.

Note: Modern server hardware is required. Please see the Cisco Security Manager data sheet for more details.

Table 59. Cisco Security Manager models

E-Delivery Part Number	Description
L-CSMST-5-K9	Cisco Security Manager Standard - 5 Device License
L-CSMST-10-K9	Cisco Security Manager Standard - 10 Device License
L-CSMST-25-K9	Cisco Security Manager Standard - 25 Device License
L-CSMSTPR-U-K9	Cisco Security Manager ST-25 To PR-50 Upgrade License
Cisco Security Manager Enterprise Professional Incremental Device Licenses	
L-CSMPR-50-K9	Cisco Security Manager Professional - 50 Device License
L-CSMPR-100-K9	Cisco Security Manager Professional - 100 Device License
L-CSMPR-250-K9	Cisco Security Manager Professional - 250 Device License

Table 60.   Cisco Security Manager SASU SKUs

Cisco Security Manager		
E-Delivery Part Number	**Product Description**	**SKU**
L-CSMST-5-K9	Cisco Security Manager Standard - 5 Device License SASU (Software Updates)	CON-SAS-LSMST5K9
L-CSMST-10-K9	Cisco Security Manager Standard - 10 Device License SASU (Software Updates)	CON-SAS-LSMST10K
L-CSMST-25-K9	Cisco Security Manager Standard - 25 Device License SASU (Software Updates)	CON-SAS-LSMST25K
L-CSMSTPR-U-K9	Cisco Security Manager ST-25 To PR-50 Upgrade License SASU (Software Updates)	CON-SAS-LCMSTPU9
Cisco Security Manager Enterprise Professional Incremental Device Licenses		
L-CSMPR-50-K9	Cisco Security Manager Professional - 50 Device License SASU (Software Updates)	CON-SAS-LSMPR50K
L-CSMPR-100-K9	Cisco Security Manager Professional - 100 Device License SASU (Software Updates)	CON-SAS-LSMPR100
L-CSMPR-250-K9	Cisco Security Manager Professional - 250 Device License SASU (Software Updates)	CON-SAS-LCMPR250

SKUs and Ordering Guidance for Cisco Firepower Management Center

The **Cisco Firepower Management Center**, available as a physical or virtual appliance, provides unified management of:

- Cisco Firepower Threat Defense software on the Cisco Firepower 1000 Series appliances
- Cisco Firepower Threat Defense software on the Cisco Firepower 2100 Series appliances
- Cisco Firepower Threat Defense software on the Cisco Firepower 4100 Series appliances
- Cisco Firepower Next-Generation Firewall virtual (NGFWv)
- Cisco Firepower Threat Defense software on the Cisco Firepower 9300
- FirePOWER module of Cisco ASA with FirePOWER Services
- Cisco Firepower Next-Generation Intrusion Prevention System (NGIPS) and Cisco Firepower Advanced Malware Protection (AMP) solutions
- Cisco Firepower Threat Defense for Integrated Services Routers (ISR)

The Management Center provides a centralized management console and event database repository. It is available in a range of physical appliance models or as a virtual appliance for VMware or KVM. One physical or virtual Management Center appliance can manage multiple appliances as long as all the appliances are running the compatible firewall configuration.

The appropriate Management Center hardware is selected based on the firewall configuration deployed and the number of appliances and events to be monitored. Management Center 1600, 2600, and 4600 physical appliances or the Management Center virtual appliance is required to manage Cisco ASA with FirePOWER Services or Cisco ASA with Threat Defense software 5508-X, 5516-X, 5525-X, 5545-X, and 5555-X deployments. Version 6.0 or later is required to manage the Threat Defense software image. Cisco Security Manager is required to manage ASA physical or virtual appliance firewall functionality. Cisco Defense Orchestrator is also available for consistent and simplified cloud-based security policy management for ASA, ASA with FirePOWER Services, and FTD devices. For more details, visit the Cisco Defense Orchestrator (CDO). For CDO ordering details, visit the CDO Ordering Guide.

For single-unit deployments of the ASA 5508-X, and 5516-X hardware platforms, an on-box management solution is available, as specified in Table 96.

Table 61. On-box management options

On-Box Manager	NGFW Configuration
ASDM v7.3 or later	Cisco ASA with FirePOWER Services
Cisco Firepower Device Manager	Cisco Firepower Threat Defense Software v6.1 and later

Table 62. Cisco Firepower Management Center SKUs

Cisco Firepower Management Center (Hardware) Appliances	
Part Number	Product Description
FMC1600-K9	Cisco Firepower Management Center 1600 Chassis, 1RU
FMC2600-K9	Cisco Firepower Management Center 2600 Chassis, 1RU
FMC4600-K9	Cisco Firepower Management Center 4600 Chassis, 1RU
Cisco Firepower Management Center (Hardware) Spare	
FMC-M5-PS-AC-770W=	Cisco Firepower 770W AC Power Supply for FMC1600, 2600, 4600

For new deployments, a compatible Management Center can be ordered with ASA5525-X, 5545-X, 5555-X, Firepower 2100, 4100 Series, and Firepower 9300 devices. Alternately, ASDM 7.3 on-device management is included for ASA 5508-X, and 5516-X for small-scale deployments, and the Management Center is optional. For small-scale deployments of Firepower 1000, 2100, and 5500-X Series devices running the FTD image, Firepower Device Manager on-device manager is included.

Note: To manage network operations in large-scale deployments of devices running the ASA software image, using the Cisco Firepower Management Center and Cisco Security Manager is highly recommended.

SKUS and Ordering Guidance for Cisco Firepower Management Center Virtual Appliance

The PAK-enabled, 2- and 10-device Firepower Management Center Virtual Appliances (FMCv) are part of a promotional offer to more cost-effectively manage FirePOWER Services or Firepower Threat Defense on small-scale deployments of low-end ASA-X Series appliances. However, the 2-, 10-, and 25-device FMCv Smart License or PAK SKUs do not have any limitations with respect to which appliances they can manage.

The FMCv software is not different for PAK or Smart Licensing. However, pricing does vary between PAK and Smart Licenses for the same number of supported FMCv devices. It is recommended to use Smart Licenses that offer a cost savings for each device level and do not require a separate Smart Net subscription.

Table 63.   PAK Licensing–enabled Cisco Firepower Management Center Virtual Appliance SKUs

Cisco Firepower Management Center (Software) Virtual Appliance (PAK enabled)	
SF-FMC-VMW-300-K9	Cisco Firepower Management Center, Virtual (VMware) for 300 devices Firepower License
SF-FMC-VMW-25-300	Upgrade SKU from FMCv25 to FMCv300 Cisco Firepower Management Center, Virtual (VMware)
FS-VMW-SW-K9	Cisco Firepower Management Center, Virtual (VMware) for 25 devices Firepower License
FS-VMW-2-SW-K9*	Cisco Firepower Management Center, (VMware) for 2 devices Firepower License
FS-VMW-10-SW-K9*	Cisco Firepower Management Center, (VMware) for 10 devices Firepower License

Table 64.   Smart Licensing–enabled Cisco Firepower Management Center Virtual Appliance SKUs

Cisco Firepower Management Center (Software) Virtual Appliance	
SF-FMC-VMW-K9	Cisco Firepower Management Center, (VMWare) for 25 devices
SF-FMC-VMW-2-K9	Cisco Firepower Management Center, (VMWare) for 2 devices
SF-FMC-VMW-10-K9	Cisco Firepower Management Center, (VMWare) for 10 devices
SF-FMC-KVM-K9	Cisco Firepower Management Center, (KVM) for 25 devices
SF-FMC-KVM-2-K9	Cisco Firepower Management Center, (KVM) for 2 devices
SF-FMC-KVM-10-K9	Cisco Firepower Management Center, (KVM) for 10 devices

Licensing Guidance for Cisco Firepower Management Center

Firepower Management Center physical or virtual appliances running version 6.0 or later do not require separate management licenses. You can purchase either a physical Firepower Management Center or a Firepower Management Center Virtual Appliance. Managed devices still require classic or Smart subscription feature licenses. Firepower Management Center Virtual Appliance Smart SKUs can manage any device running Firepower Threat Defense software.

IMPORTANT: For version 6.3 and later:

Enablement of strong crypto features (3DES/AES VPN) continues to happen automatically via Smart Licensing for those customers that are not subject to export restrictions or require an export license. However, those customers who are subject to export restrictions or require an export license will be asked to select a $0 strong crypto enablement key during configuration of any FMC device with version 6.3+.

For those customers who are subject to export restrictions or require an export license that upgrades an existing FMC to version 6.3+, there are spare versions of the PIDs available (those with "=" suffix).

To determine if you are subject to export restrictions or require an export license, customers can log in to CSSM and try to generate an installation token. For those customers that do NOT have export restrictions, this box will be checked by default. If you do NOT see this box or are NOT able to check the box, this means that your account is subject to export restrictions. See image below:

Table 65. Cisco Firepower Management Center strong crypto enablement SKUs

L-FMCVIR-ENC-K9=	Cisco Virtual FMC Series Strong Encryption (3DES/AES)
L-FMC1K-ENC-K9=	Cisco FMC 1K Series Strong Encryption (3DES/AES)
L-FMC2K-ENC-K9=	Cisco FMC 2K Series Strong Encryption (3DES/AES)
L-FMC4K-ENC-K9=	Cisco FMC 4K Series Strong Encryption (3DES/AES)

- The standalone Cisco Firepower Management Center is optimal for high-availability pairing. For the FMC, a high-availability or redundancy feature helps ensure continuity of operations. The secondary Management Center must be the same model as the primary appliance.

For Version 6.0 and later: Cisco ASA with FirePOWER Services system software release 5.0 and later for the Management Center can be hosted on VMware ESX and ESXi. A virtual Management Center can manage up to 300 physical or virtual devices.

The Cisco Firepower Management Center Virtual Appliance does not offer high availability. However, native VMware capabilities such as VMware vSphere High Availability, Distributed Resource Scheduling (DRS), and snapshots can improve availability. As for the physical Management Center, both Cisco FireSIGHT and Cisco NetFlow licenses can be added to the Management Center virtual appliance.

Product high-availability configuration:

High availability for the Management Center (available for all versions earlier than 6.0 and later than 6.1; high availability is not supported with the 6.0 version)

- If the customer wants high availability for the Management Center, an additional appliance is required.

- The secondary Management Center must be of the same model and generation as the primary one.

- If the primary Management Center has a FireSIGHT license (v. 5.4 and earlier ONLY), an additional Cisco Firepower license does not need to be ordered for the secondary Management Center.

- License keys for all sensors, feature licenses (including Cisco Firepower), and subscriptions managed on the primary Management Center can be duplicated and loaded onto the secondary Management Center using the original activation keys.

Product Licensing and License Activation

- License activation keys are used to generate licenses to activate the Cisco ASA with FirePOWER Services configuration on all virtual and physical appliances. License keys activate added software features such as application control and subscription-based features such as URL Filtering and AMP for ASA.

- The customer logs on to https://cisco.com/go/licensing and uses the activation key to request appliance or feature licenses. The license is then applied to the Management Center or on-device ASDM or FDM that will be managing the feature or appliance.

- Exceptions:
  - Physical and virtual Management Center appliances do not require activation keys, and none are issued.

Ordering Example 1: Cisco ASA with Firepower Services

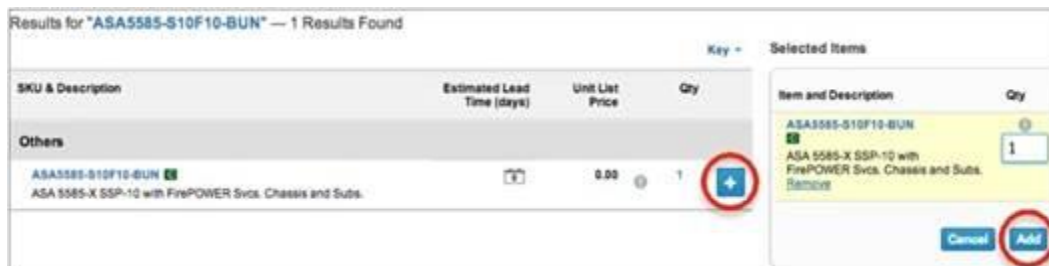### Guidelines for Quoting New Cisco ASA with FirePOWER Services Appliances

1. Go to CCW (Cisco Commerce): https://www.cisco.com/go/ccw.
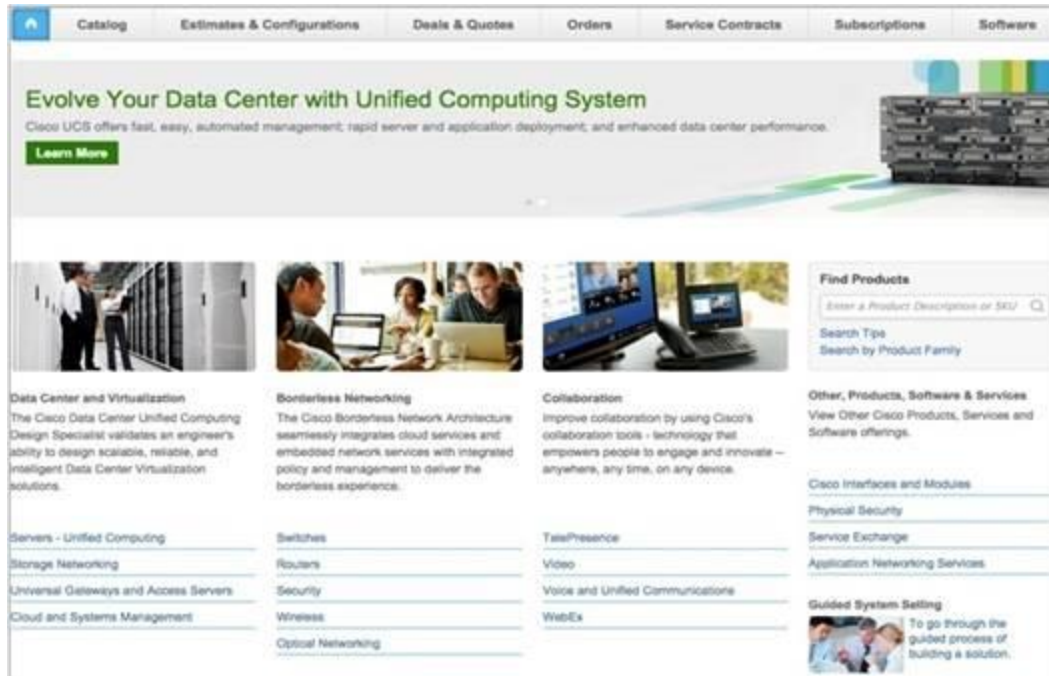
2. Look up appliance bundle SKU from table.

3. Add to cart.

4. Select options.

5. Configure Cisco ASA hardware options.

6. Change Cisco Smart Net Total Care options.

7. Configure security subscriptions.

8. Verify the Cisco ASA FirePOWER Services portion.

9. Add Cisco Firepower Management Center to quote.

Additional Resources

Cisco Commerce

Cisco Commerce is the primary tool used for ordering Cisco products and new services offered on the Cisco Price List. Three main steps are involved in creating an order: creating a quick quote, converting a quote to an order, and submitting an order.

Cisco Commerce also acts as a quoting, pricing, configuration, and status tool. The Cisco Service Contract Center can be used to view the status of a covered item as well as service contract information.

Cisco Service Contract Center

The Cisco Service Contract Center is the primary tool used for ordering services, purchasing follow-on software subscription licenses, and processing renewals of service offerings available on the Cisco Price List. Three main steps are involved in creating an order: creating a quick quote, validating the quote, and submitting an order.

Customers and partners use the standard quoting process, and distributors have the option of using the standard or quick-quote function to create a quote. Prior to ordering, partners and distributors validate and save the quote after all software subscription licenses and services have been added.

The Cisco Service Contract Center is an integrated solution that makes it easy for Cisco service sales teams and partners to manage and grow their service business, profitably. It will:

- Quote and book your service orders and manage your service contracts and renewals with one simple, easy-to-use solution

- Reduce the time you spend solving administrative problems, searching for opportunities, and creating quotes

- Give you more time to grow your business using data you can trust, because you do not need to spend time fixing or verifying data

- Help partners to create and proactively manage their contracts

Cisco Capital Financing

The significant benefits offered by the Cisco Firepower 9300 make it the natural choice for service provider security and provisioning. As with any technology investment, the question is whether the new system is affordable. The answer is Cisco Capital financing. We can give customers the financing solution that works best for them. We offer both flexible repayments to help mitigate cash flow issues and operating leases to help negate capital expenditures.

Cisco Capital can help remove or reduce the barriers preventing organizations from obtaining the technology they need. Total solution financing programs help customers and partners:

- Achieve business objectives

- Accelerate growth

- Acquire technology to match current strategies and future needs

- Remain competitive

Cisco Capital also helps your customers achieve financial goals such as optimizing investment dollars, turning capital expenditures into operating expenses, and managing cash flow. And there's just one predictable payment. Cisco Capital operates in more than 100 countries, so regardless of location, customers and partners have access to a trusted means to secure Cisco products and services.

For more information about Cisco Capital financing, visit the following sites:

- For channel partners: https://www.ciscocapital.com/.

- For Cisco sales staff: https://wwwin.cisco.com/FinAdm/csc/

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