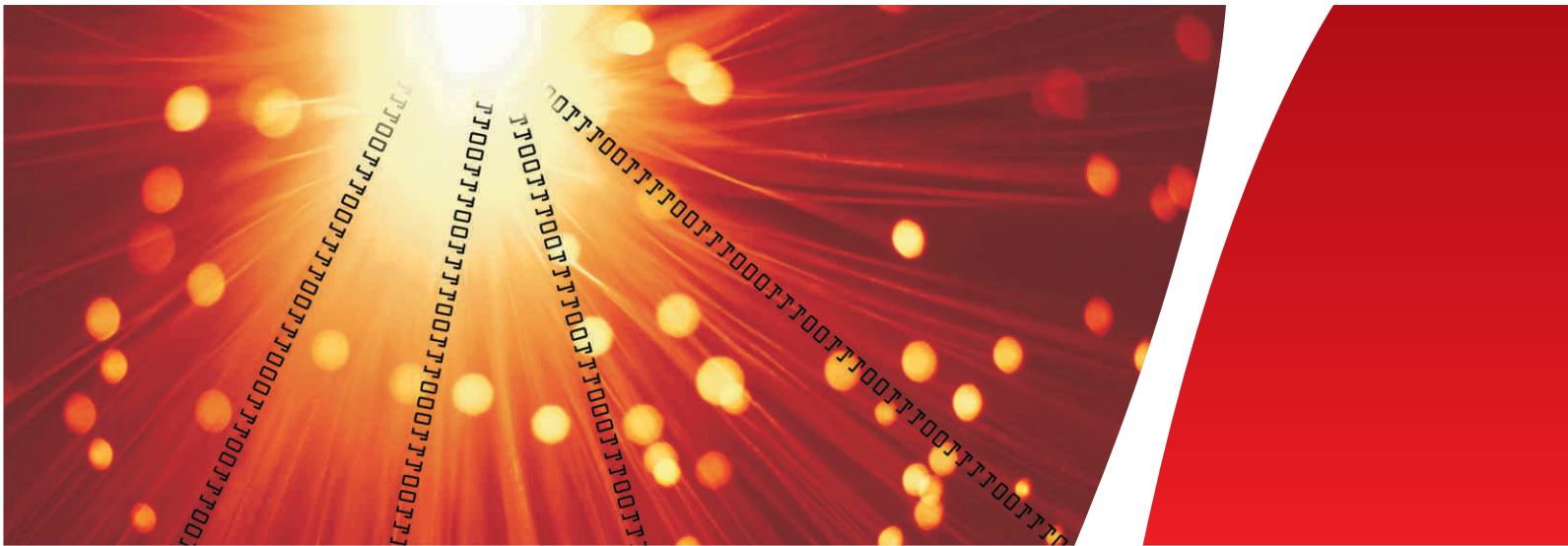




Huawei USA Enterprise Product Portfolio



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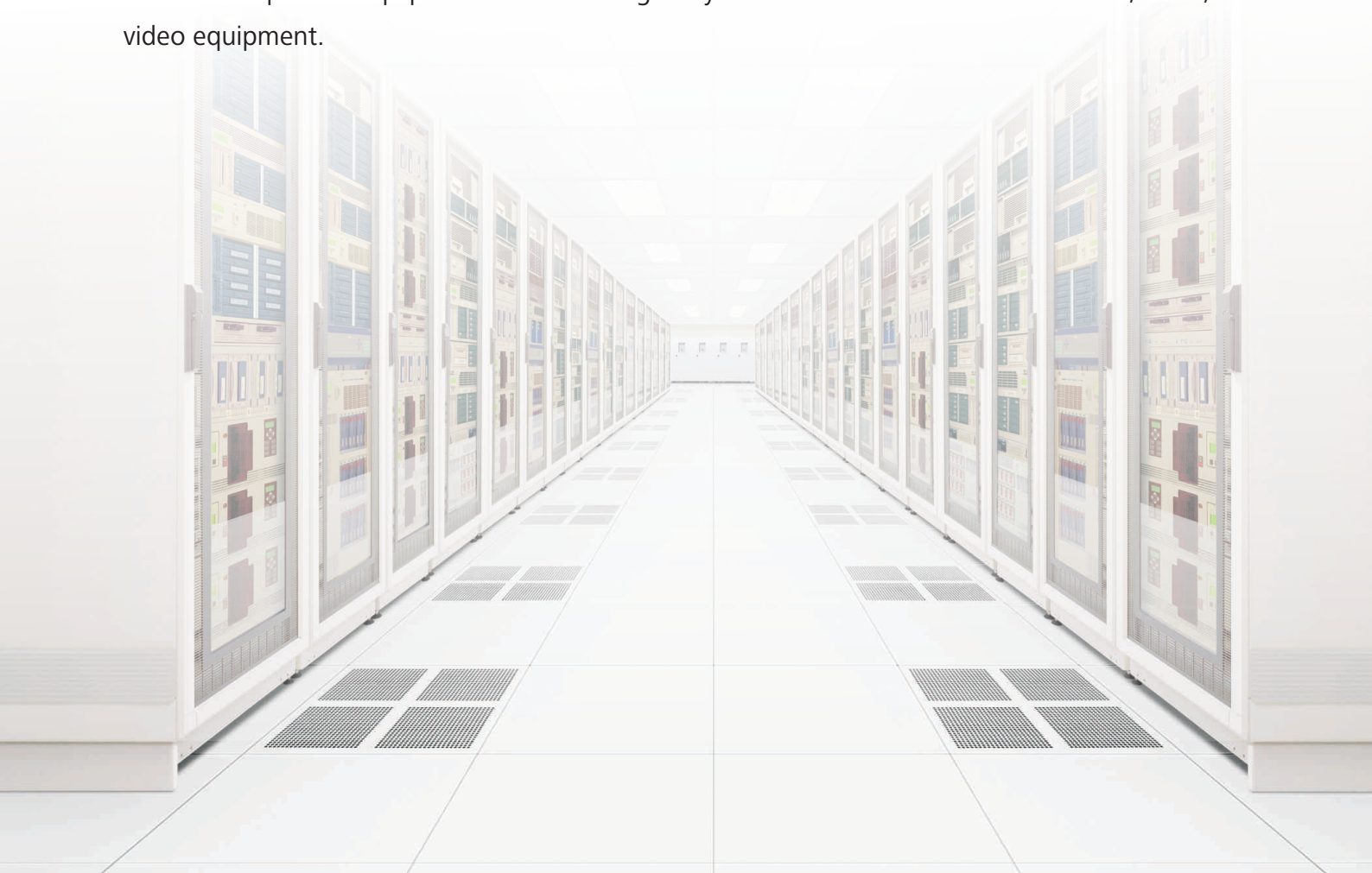
U.S. Enterprise Product Portfolio

Organizations across industries are realizing the need to integrate IT into their overall business so that they can help identify areas where costs can be saved.

With its years of technical expertise and investment in research and development, Huawei, a global leader in ICT solutions, is set to grow together with its customers and partners for the coming cloud computing and ICT convergence era. With a commitment to enrich people's lives through communication, Huawei works to meet the needs of enterprises and their users with a seamlessly integrated ICT strategy.

Huawei has products and solutions that cover areas such as cloud computing, data centers, basic networks, and enterprise voice/video services, and can serve various sectors such as education, manufacturing, retail, and transportation.

Huawei's digital enterprise solutions have been widely deployed worldwide. We are committed to providing efficient solutions and look forward to becoming your long-term strategic partner. Huawei can provide equipment that will integrate your multi-service network with data, voice, and video equipment.



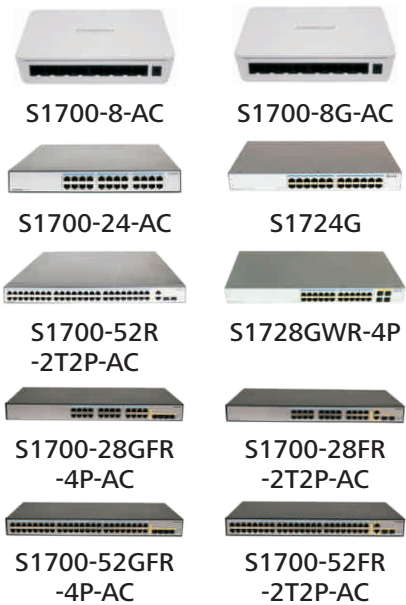
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Quidway S1700

Quidway S1700 switches (S1700) are next-generation energy-saving Ethernet switches developed by Huawei. The S1700 supports simple and convenient installation and maintenance, provides abundant services and features, and helps customers to construct secure, reliable, and high-performance networks. The S1700 can be widely applied in such scenarios as small enterprises, Internet bars, hotels, and schools.

- New energy-saving design for low carbon communication
- Flexible selection of port line speeds
- Considerate maintenance-free design
- Outstanding security performance
- Powerful link expansion and backup



Quidway S3700

The Quidway® S3700 enterprise switches (S3700) are next-generation energy-saving Layer 3 switches. The S3700 utilizes cutting-edge hardware and Huawei Versatile Routing Platform (VRP) software to provide high-performance access and aggregation to an enterprise campus network. It is easy to install and maintain. With its flexible VLAN deployment, PoE capabilities, comprehensive routing functions, and capability to migrate to an IPv6 network, the S3700 helps enterprise customers build a next generation IT network. In addition, the S3700 uses advanced reliability technologies such as stacking, VRRP, and RRPP, enhancing network robustness.

- Powerful support for services
- PoE function
- Comprehensive QoS policies and security mechanisms
- Various routing and IPv6 features
- High scalability and excellent reliability
- Considerate maintenance-free design and manageability
- Unique fan-free and energy-saving design



Quidway S2700

The Quidway S2700 enterprise switches (S2700) are next-generation energy-saving 100M Ethernet intelligent switches. The S2700 utilizes cutting-edge switching technologies and Huawei Versatile Routing Platform (VRP) software to meet the demand for multi-service provisioning and access on Ethernet networks. It is easy to install and maintain and is for use in various enterprise network scenarios. With its flexible VLAN deployment, comprehensive security and QoS policies, and energy-saving technologies, the S2700 helps enterprise customers build a next generation IT network.

- Maintenance free, easy deployment, and easy management
- Flexible service control
- Excellent security features
- PoE function
- Comprehensive QoS policies
- Powerful surge protection capability
- No noise, energy conservation, and low radiation



Quidway S5700

The Quidway® S5700 series gigabit enterprise switches (S5700) are next-generation energy-saving switches developed by Huawei to meet the demand for high-bandwidth access and Ethernet multi-service aggregation. The S5700 is for use in various enterprise network scenarios. For example, it can function as an access or aggregation switch on a campus network, a gigabit access switch in an Internet data center (IDC).

- Powerful support for services
- Comprehensive reliability mechanisms
- Well-designed QoS policies and security mechanisms
- Easy deployment and Maintenance free
- PoE function
- High scalability
- Various IPv6 features



Quidway S6700

The Quidway S6700 series switches (S6700 for short) are next-generation 10G case-shaped switches. The S6700 has an industry-leading performance and provides up to 24 or 48 line-speed 10GE ports. It can be used in a data center to provide 10 Gbit/s access to servers or function as a core switch on a campus network to provide 10 Gbit/s traffic aggregation. In addition, the S6700 provides rich services, comprehensive security policies, and various QoS features to help customers build scalable, manageable, reliable, and secure data centers.

- Large-capacity, high-density 10 Gbit/s access
- Comprehensive security policies
- Well-designed reliability mechanisms
- Various QoS control mechanisms
- High scalability
- Convenient management
- Various IPv6 features



Quidway S9300

Quidway S9300 switches (S9300) are next-generation high-end terabit routing switches developed by Huawei designed for multiservice convergence. The S9300 is designed based on Huawei's intelligent multilayer switching technology to provide high-definition video services, large-capacity wireless networks, elastic cloud computing, IPv6-capable hardware, and integrated security in addition to stable, reliable, and secure high performance L2/L3 switching services. The S9300 is a highly extensible and reliable platform integrating switching and routing functions to facilitate end-to-end integrated networks, and is widely used in WANs, MANs, campus networks, and data centers to help enterprises build application-oriented networks. .

- Advanced Switching Architecture to Improve Network Expansibility
- Carrier-Level High Availability Design to Ensure Service Consistency
- Full-Service Ethernet Switching Platform Excellent Security Design
- Wireless and Passive Integrated Access
- Innovative Energy Saving Design



Quidway S7700

The Quidway S7700 series switches (S7700) are high-end smarter routing switches designed for next-generation enterprise networks. The S7700 is designed based on the intelligent multi-layer switching technology of Huawei to provide intelligent service optimization methods such as MPLS VPN, traffic analysis, comprehensive QoS policies, controllable multicast, load balancing, integrated security guarantee in addition to stable, reliable, secure, and high performance Layer 2 to Layer 4 switching services. In addition, it features superb scalability and reliability. The S7700 can function as core or aggregation nodes on campus networks or data centers to provide integrated wireless access, voice, video, and data services, helping enterprises build an integrated end-to-end network.

- Powerful service processing capabilities, facilitating network expansion
- Carrier-class reliability and visual fault diagnosis
- Well-designed QoS mechanism, improving the voice and video user experience
- High performance in IPv6 service processing, realizing smooth transition from IPv4 to IPv6
- Comprehensive security mechanisms, defending enterprises against internal and external security threats
- Wireless AC boards, meeting requirements for mobile office
- Innovative energy-saving chips, allowing intelligent Power consumption control



Quidway S9700

Quidway S9700 series switches (S9700s) are next-generation high-end terabit routing switches, developed by Huawei and designed for multiservice convergence. The S9700 design is based on Huawei's intelligent multilayer switching technology to provide high-definition video services, large-capacity wireless networks, elastic cloud computing, IPv6- capable hardware, integrated security, and high-performance L2/L3 switching services. It is widely used in WANs, MANs, campus networks, and data centers to help enterprises build application-oriented networks.

- Terabit switching capacity, highly Expansible backplane and upgradable to 40Gbits/s and 100 Gbits/s
- Reliable design to provide redundant backup for key components and Cluster Switching System (CSS) feature
- Full-service switching platform supporting Layer2 and Layer3 multicast protocols, line-rate multicast replication, independent multicast QoS queues, priority based services and distributed Layer2 and Layer3 MPLS VPN features including MPLS, VPLS, HVPLS, and VLL
- High-Performance IPv6 service support: IPv4 and IPv6 dual stack, various tunneling technologies, Ipv6 static routes, RIPng, OSPFv3, BGP+, IS-ISv6, and Ipv6 multicast
- Rich security features including virtual firewalls and NAT multi-instance, AAA, 802.1x, portal, guest VLAN, and dynamic user access authentication.
- Wireless and passive integrated access
- Innovative energy saving design



S9712



S9706



S9703

AR3200 Enterprise Router

AR 3200 series enterprise router is the next-generation enterprise-class router based on Huawei Versatile Routing Platform (VRP) which integrates routing, switching ,3G, voice and security functions together to meet customer's service requirements.



- Multi-core CPU, distributed service processing and non-blocking switching structure
- Various voice functions supported by built-in PBX, SIP server and SIP access gateway
- Complete security protection to network including access control, firewall, authentication and VPN
- Flexible 3G access
- 3.5Mpps forwarding throughput
- Fixed WAN port: 3 GE (2 Combo)
- Expansion slot: 4 SIC, 2 WSIC and 4 XSIC
- Interfaces supported: 10/100/1000M L2/L3 Ethernet, Channelized E1/T1/PRI, FXS/FXO

NetEngine 40E-X3

The Quidway® NetEngine40E-X3 is a high-end core router used in IP backbone, IP metro area and other large-scale IP networks.



- Fifth-Generation Distributed Router
- 1.08Tbps switching capacity and 300Mpps forwarding throughput
- 5 slots in which 3 for LPUs
- Wide range of interface supported: E1/T1,E3/T3, FE/GE, 10GE, STM-1/4/64 POS, 2.5/10GE RPR
- IP/MPLS distributed forwarding with line-rate on all interfaces
- MPLS, MPLS VPN, Multicast, IPv4/IPv6
- Built-in video caching function to enhance the IPTV/video service
- Hierarchical QoS scheduling on both access and network sides
- Comprehensive reliability: VPN/VLL FRR, Ethernet OAM, PW Redundancy, E-APS,BFD, NSR,GR/NSF,ISSU

NetEngine 40E-X8

The Quidway® NetEngine40E-X8 is a high-end core router used in IP backbone, IP metro area and other large-scale IP networks.



- Fifth-Generation distributed router
- 1.44Tbps switching capacity and 800Mpps forwarding throughput
- 11 slots in which 8 for LPUs
- Wide range of interface supported: E1/T1,E3/T3, FE/GE, 10GE, STM-1/4/64 POS, 2.5/10GE RPR
- IP/MPLS distributed forwarding with line-rate on all interfaces
- MPLS, MPLS VPN, Multicast, IPv4/IPv6
- Built-in video caching function to enhance the IPTV/video service
- Hierarchical QoS scheduling on both access and network sides
- Comprehensive reliability: VPN/VLL FRR, Ethernet OAM, PW Redundancy, E-APS,BFD, NSR,GR/NSF,ISSU

NetEngine 40E-X16

The Quidway®NetEngine40E-X16 is a high-end core router used in IP backbone, IP metro area and other large-scale IP networks.



- Fifth-Generation distributed router
- 2.56Tbps switching capacity and 1600Mpps forwarding throughput
- 22 slots in which 16 for LPUs
- Wide range of interface supported: E1/T1,E3/T3, FE/GE, 10GE, STM-1/4/64 POS, 2.5/10GE RPR
- IP/MPLS distributed forwarding with line-rate on all interfaces
- MPLS, MPLS VPN, Multicast, IPv4/IPv6
- Built-in video caching function to enhance the IPTV/video service
- Hierarchical QoS scheduling on both access and network sides
- Comprehensive reliability: VPN/VLL FRR, Ethernet OAM,

AR2200 Enterprise Router

AR 2200 series enterprise router is the next-generation enterprise-class routers based on Huawei Versatile Routing Platform (VRP) which integrates routing, switching ,3G, voice and security functions together to meet customer's service requirements.



- 2 models: AR 2220, AR 2240
- Multi-core CPU, distributed service processing and non-blocking switching structure
- Various voice functions supported by built-in PBX, SIP server and SIP access gateway
- Complete security protection to network including access control, firewall, authentication and VPN
- Flexible 3G access
- Forwarding capacity: 1Mpps /AR2220, 3.5Mpps /AR 2240
- Fixed WAN port: 3 GE (2 Combo)/AR 2220, 3 GE (2 Combo) /AR 2240
- Expansion slot: 4 SIC+2 WSIC/AR2220, 4 SIC+2 WSIC+2 XSIC/AR 2240
- Interfaces supported: 10/100/1000M L2/L3 Ethernet, Channelized E1/T1/PRI, FXS/FXO

AR150 & AR200 Enterprise Router

AR150&AR200 Series routers use the embedded hardware encryption technique and support the voice Digital Signal Processor (DSP). All features you need in the branch office are integrated into these little boxes. They support firewall, SSL VPN, IP PBX, 3G WAN link, call processing, voice mailbox, and application program functionalities.



- 9 models: AR151, AR157, AR201, Ar206, AR207,AR207V, AR207V-P, AR207G-HSPA+7 and AR208E
- The dual-core processor to isolate the control plane from the forwarding plane
- High service processing capability, four times that in the industry
- Provide the capability to migrate services to 3G and LTE networks
- Plug-and-play, intelligent configuration and quick deployment using USB flash drive
- Easy to expand: 8FE ports(except AR150 series), 2 uplink WAN ports
- Fanless design, low noise and Excellent user experience
- Can be deployed in harsh environment with lightning Protection design

AR1220 Enterprise Router

AR 1220 series enterprise router is the next-generation enterprise-class router based on Huawei Versatile Routing Platform (VRP) which integrates routing, switching, 3G, voice and security functions together to meet customer's service requirements.



- 4 models: Ar1220, AR1220V,AR1220W,AR1220VW
- Multi-core CPU, distributed service processing and non-blocking switching structure
- AR1220V and AR1220VW provide various voice functions by built-in PBX,SIP server and SIP access gateway
- Complete security protection to network including access control, firewall, authentication and VPN
- Flexible 3G access
- PoE on AR1220V,AR1220W and AR1220VW
- IEEE 802.11 b/g/n on AR1220W and AR1220VW
- 350Kpps Forwarding capacity
- Fixed WAN port: 8 FE and 2 GE. Expansion slot: 2 SIC
- Interfaces supported: 10/100/1000M L2/L3 Ethernet, Channelized E1/T1/PRI, FXS/FXO

Eudemon 8000E-X Series Firewall

Eudemon 8000E-X is high-end security gateway developed for organizations deploying next-generation cloud data centers and organizations with large-scale core data networks.



Eudemon 8000E-X3



Eudemon 8000E-X8



Eudemon 8000E-X16

- Maximum 16 slots, 200 Gbit/s IMIX firewall throughput, 200 Gbit/s Anti-DDoS performance, and 80 Gbit/s IPS performance for a single device
- Maximum 80 millions concurrent connections for a single device
- Maximum 5 millions new connections per second for a single device
- IPS and Anti-DDoS services implemented respectively on independent boards
- Application identification and management
- Comprehensive IPv6 attack defense capability and IPv6 transition solution
- 4096 virtual firewalls, Virtualized IPS, virtual IPsec VPN access
- Dynamic policy floating

Eudemon 1000E-X Series Unified Security Gateway

Eudemon 1000E-X series is a new-generation UTM gateway. By delivering comprehensive advanced security functions such as Firewall, NAT, VPN, IM Control, P2P Control, IPS, anti-virus, URL filtering and Anti-Spam, it provides all-around security protection to safeguard the efficient running of network systems.

- Advanced multi-core hardware architecture and multi-thread concurrent processing
- Accurate P2P control at Kbps flow granularity with upgradable protocol library
- Built-in Symantec's advanced IPS detection engine
- 3 models: Eudemon 1000E-X3/X5/X6 with different performance and capacity
- Connection establishment: up to 200K per second
- Concurrent connection: up to 400M
- IPSec VPN tunnel: 15K
- Virtual firewall: 100KBPS
- Firewall throughput: 6/10/15Gbps for Eudemon 1000E-X3/X5/X6 respectively
- Both AC and DC power supply
- Eudemon 1000E-X3/X5
 - 4GE(electric) + 4GE Combo
 - 2 FIC expansion slots
- Eudemon 1000E-X6
 - 4GE(electric) + 8GE(optical) + 4GE Combo
 - 2 MIC and 6 FIC expansion slots



Eudemon 1000E-X3



Eudemon 1000E-X5



Eudemon 1000E-X6

Eudemon 200E-X Series Unified Security Gateway

Eudemon 200E-X provides a variety of professional security features including stateful firewall, VPN, NAT, authentication, access control, anti-virus, anti-spam, URL filtering, IPS, application security and other security features. Together with wide range of LAN, WAN, WLAN and WWAN interfaces, it makes Eudemon 200E-X the best choice of unified security gateway to enterprise customer.

- Advanced multi-core hardware architecture and multi-thread concurrent processing
- Integration of routing, switching, wireless, voice and security into one box.
- Comprehensive UTM functions: IPS, anti-virus, anti-spam, URL filtering and P2P control
- Diversified VPN technologies including IPSec, SSL VPN, L2TP, GRE and MPLS VPN
- Flexible interface support: FE, GE, E1/CE1, SA, ADSL2+, G, SHDSL, WIFI, 3G
- 3G support through USB data card
- Eudemon 200E-X1/X1W
 - 2x10/100Base-T WAN, 8x10/100Base-T LAN
- Eudemon 200E-X1AGW
 - 1x10/100Base-T WAN, 8x10/100Base-T LAN
- Eudemon 200E-X2/X2W
 - 1x10/100Base-T WAN, 8x10/100Base-T LAN
 - 1 MIC expansion slot
- Eudemon 200E-X3/X5
 - 2 GE combo
 - 4 MIC + 2 FIC expansion slots
- Eudemon 200E-X6
 - 2 GE + 2 GE combo
 - 4 MIC + 2 FIC + 2 DFIC expansion slots
- Eudemon 200E-X7
 - 4 GE combo
 - 4 MIC + 2 FIC + 4 DFIC expansion slots



E200E-X1/X1W/X1AGW



E200E-X2/X2W



E200E-X3



E200E-X5



E200E-X6



E200E-X7

NIP200/1000 Intrusion Detection Systems

NIP200/1000 is Network Intelligent Police launched by Huawei which is a new generation session-based intelligent network intrusion detection system.

- NIP200 with 3 100M detection ports, NIP1000 with 4 1000M detection ports
- Detect thousands of intrusions across 30 categories, including network scanning, Trojan horse, worm virus, DoS or DDoS attack, and malicious code attack
- Monitor mails, MSN communication, real-time sessions, file transfer, and servers' working state. Thus, it can detect the abnormalities of networks and servers in time
- Response modes: disconnecting sessions, generating database records, creating logs (system logs and audit logs), generating alarms through emails, SNMP, and system logs, running local programs of the Specified console, Cooperating with firewalls and routers



NIP200



NIP1000

NIP2000/5000 Intrusion Prevention Systems

NIP2000/5000 is a dedicated intrusion detection and prevention product designed to resolve the network security issues in new IT environment such as Web 2.0 and virtualization.

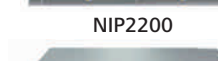
- IPS performance: 300M-3Gbit/s
- 4GE(RJ45)+4GE(combo) fixed interface and up to 3 interface slots
- Server protection, system and service vulnerability exploits, brute force, SQL injection, and cross site scripting
- Client protection, web browsers and plug-ins, protection against web 2.0 threats, file format vulnerability protection supporting document types in PDF, Word, Flash, and AVI files, defense against operating system vulnerabilities, detection of infected systems, and detection of spyware and adware
- Layer 7 Anti-DDoS attack protection
- Network application management, identification of more than 850 application protocols



NIP2100



NIP2200



NIP5100

iManager U2000

The U2000 is an integrated management platform for all the network equipment provided by Huawei.

- Manage all the transport, access, and IP equipment
- Maximum of 20,000 equivalent NEs and 100 clients
- Perform E2E cross-domain service deployment and cross-domain fault location
- E2E scheduling capability for full services such as the IP service, WDM service, MSTP service, microwave service, and Access service
- Variety of NBIs, including SNMP, CORBA, XML, and ASCII NBIs.

SVN2000/5000 Security Access Gateway

SVN2000/SVN5000 series products are the latest series of security access gateways which are designed for remote access, mobile office, access control for third-party devices and personnel, access services through multimedia tunnels, and other access services for enterprises, governments, and carriers.

- Up to 1Gbps SSLVPN throughput, up to 20000 concurrent users of SSL VPN, up to 256 virtual SSL VPN gateways
- Widely mobile terminals: Android, Windows, iOS, Linux, Symbian, Blackberry OS, and MacOS
- A variety of access modes: Web proxy, network extension, Virtual desktop, application integration, L2TP VPN, and IPSec VPN
- Security Protection: access security protection, authentication security, data security, secure operating system, professional anti-DDoS, advanced firewall and Overall log auditing
- Up to 4000 virtualization of SSL VPN appliance



SVN 2230



SVN2260



SVN5530



SVN5560

Huawei eSight Operation and Maintenance Solution

eSight is a next-generation enterprise network management system based on advanced Web 2.0 architecture and uses the browser/server model that complies with international standards.

- Manage switches, routers, ARs, WLAN devices, and firewalls from both Huawei and 3rd party vendors
- Support management of other enterprise resource like servers and printers
- Can be integrated with enterprise desktop security and other systems to provide a unified management portal
- Provide APIs that allow enterprises to build their Own operation and maintenance systems.

OSN 8800 T16 & OSN 6800

OSN 8800 T16 and OSN6800 are Huawei metro OTN/ASON-based intelligent multiservice WDM platforms which are designed for the network operator who requires a flexible, cost-effective system that will multiplex, transport and switch high-speed data, storage, video, and voice applications.



- 2.5G, 5G, 10G, 40G, 100G line speed
- 5000km at 10G, 1500km at 40G without regeneration
- ODU 0/1/2/ electrical switching, L2 switching on VLAN, Stack VLAN
- 80 λ DWDM /16 λ CWDM
- 16M-2.5Gbps service can be mapped into ODUK & VCx
- Service interfaces include FE/GE/10GE(LAN/WAN), ESCON/FICON/Fiber Channel/PDH/FDDI/Video

OSN 1800

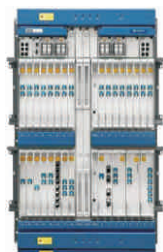
OSN 1800 series are compact WDM/OTN devices. They innovatively expand the ITU-T G.709 OTN recommendation to cover all the service from 2M to 10G.



- 40 λ DWDM, 8 λ CWDM
- Full service from 2M to 10G in single backhaul
- Service interfaces include E1, STM-1/4/16/64, OC-3/12/48/192, FE, GE, FC, GPON, EPON
- 8 protected channels or 60G capacity (10G-chx6) for a single 2U device
- CWDM and DWDM sharing same cards, just change the SFP/XFP
- 1+1 AC/DC power supply

OSN 8800 T64/T32

The OptiX OSN 8800 Intelligent Optical Transport Platform is Huawei's next generation intelligent optical transport platform. It achieves dynamic optical layer grooming and flexible electrical layer grooming. It is mainly applicable to the backbone core, metro core and metro convergence layers.



- Unique 64 slots (T64) per subrack supports massive services access, switch and transport
- Up to 3T/6T ODUK(K=0,1,2,3) & 1.28T VCx electrical switching
- 9x3.2T (80*40G) ROADW switch supports optical wavelength dynamic transport.
- O&E hybrid switch facilitates the end-to-end free connection with services pass-through, adding and dropping.
- 100M~100G services can be mapped into ODUK (k=0,1,2,3) & VCx.
- Sharing 40G&100G channel by different ODUK (k=0,1,2,3) granules, 100% bandwidth utilization.
- 1500km transport without regeneration by 80*40Gbit/s, And 2000km transport without Regeneratoion by 100G.

Microwave OptiX RTN 950

The RTN 950 is an unified microwave platform providing TDM/Packet/Hybrid services for customes. It supports a maximum of 6 RF directions and provides several types of service interfaces.



- 6/7/8/10/10.5/11/13/15/18/23/26/28/32/38GHz
- Modulation: QPSK, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM
- Packet switching capacity: 10Gbps
- Cross-connect: 32x32 VC-4
- Interface: STM-1/4, E1, FE, GE
- E-Line, E-LAN, QinQ, PWE3
- Support IEEE 1588V2 clock synchronization

Microwave OptiX RTN 910

The RTN 910 is an unified microwave platform providing TDM/Packet/Hybrid services for customes with several types of service interfaces supported.



- Frequency: 6/7/8/10/10.5/11/13/15/18/23/26/28/32/38GHz
- Modulation: QPSK, 16QAM, 32QAM, 64QAM, 128QAM, 256QAM
- Packet switching capacity: 4.2Gbps
- Cross-connect: 8x8 VC-4
- Interface: STM-1/4, E1, FE, GE
- E-Line, E-LAN, QinQ, PWE3
- Support IEEE 1588V2 clock synchronization

SmartAX MA5603U

SmartAX MA5603U provides medium capacity VDSL2 and GPON access. It can deliver 50M~100M access bandwidth and multiple GE uplink interfaces. SmartAX MA5603U also provides flexible service-mapping, QoS and security features.



- Line speed forwarding for 8-port GPON, 20Gbit/s bus to each service slot
- 50Mbit/s for each VDSL2 subscribers without convergence, 2.5Gbit/s throughput to main control card for each VDSL2 line card
- Temperature hardened, ambient working temperature Up to +65C
- Massive IPTV deployment ready, 4k multicast users, 4k multicast channels, and 2k multicast channels on-line simultaneously
- Double access bandwidth, 2 pairs VDSL2 bonding
- Seamless migration for ADSL2+ subscriber, Configurable working in VDSL2 or ADSL2+ mode

SmartAX MA5662

The SmartAX MA5662 is the first integrated multi dwelling unit (MDU) used in field areas in the industry. With the IP66 protection level, the MA5662 provides broadband services on Fiber To The Building (FTTB) and Fiber To The Curb (FTTC) networks. The MA5662 is a cabinet-type product providing two GE uplink ports and 48 VDSL2 ports and providing high-speed Internet access, IPTV, and voice over IP (VoIP) services for family users and small to medium enterprise users.



- Strong protection capabilities (water-proof, dust-proof, and corrosion-proof)
- Plug-and-play (PnP) service provisioning
- Operable IPTV services: Strong service switching capability, packet forwarding capability, and high
- Efficient management and maintenance: free of field software commissioning, remote software upgrade and patch installation, and remote fault locating
- Carrier-class reliability and security design
- Built-in RFT-V remote power supply system and support For DC and RFT-V dual power supply modes

TP3118

- Designed for 6- 18 People
- HD video 1080p 50/60 fps
- Content sharing in 1920*1080
- AAC-LD 48KHz triple track sound
 - 16 microphones, 3 speakers
 - Low bandwidth consumption
 - 3M for 720p
 - 9M for 1080p
- AES encryption
- Standard based interoperability
 - H.323, SIP, TIP
- Voice activation
- Android-based touch control panel



TP3118S

- Designed for 6~14 people
- HD video 1080p 50/60 fps
- Content sharing in 1920*1080
- AAC-LD 48KHz triple track sound
 - 12 microphones, 3 Speakers
- Low bandwidth consumption
 - 3M for 720p
 - 9M for 1080p
- AES encryption
- Standard based interoperability
 - H.323, SIP, TIP
- Voice activation
- Android-based touch control panel



TP3106

- Designed for 3- 6 people
- HD video 1080p 50/60 fps
- Content sharing in 1920*1080
- AAC-LD 48KHz triple track sound
 - 6 microphones, 3 speakers
- Low bandwidth consumption
 - 3M for 720p
 - 9M for 1080p
- AES encryption
- Standard based interoperability
 - H.323, SIP, TIP
- Voice activation
- Android-based touch control panel



TP1102-65/55

- Designed for small group meetings with up to 4 participants
- Front maintenance, save space, easy-to-maintain
- 65/55-inch HD screen, 1080p HD dual-stream
- CD-quality audio with AAC-LD
- 10-inch Android-based wireless touch panel with an easy-to-use user interface
- Sleep and wake-up mode



TP1002S

- Designed for 1 - 2 people
- All in one system
- 1080p 50/60 fps, 720p HD video
- AAC-LD directional audio
- 65" plasma display
- Wireless touch screen control panel



RP100-40 / RP100-46 / RP100-55

- All in one system
- 1080p 30 fps, 720p HD video codec
- 1080p 30 fps camera(PTZ) and Array MIC
- 720p 30 fps for dual stream
- AAC-LD directional audio
- Flexible choices:
 - RP100-40:Single 40"LCD displa
 - RP100-46:Single 46"LCD display
 - RP100-55:Single 55" LCD display



RP200-40 / RP200-46

- All in one system
- 1080p 30 fps, 720p HD video codec
- 1080p 30 fps camera(PTZ) and Array MIC
- 720p 30 fps for dual stream
- AAC-LD directional audio
- Flexible choices:
 - RP200-40: Dual 40"LCD display
 - RP200-46: Dual 46"LCD display



VP9050

- Designed for principal ,VIP and other personal User.
- IP from 64kbps to 4 Mbit/s, H.323 and SIP protocol.
- Up to 1080p 30 fps video and AAC-LD stereo audio.
- Built-in CMOS HD camera with 1920 x 1080 effective pixels.
- Built-in 21.5-inch 16:9 widescreen LCD display;
- Built-in Two omnidirectional microphones;
- Built-in stereo speaker.



9039S (9039S+VPC500+M210)

- VP 9039S
- up to 8Mbps, 1080p30 video, dual 720p30,
- AAC-LD audio,
- H.239(1280x1024),
- Video input: 2xDVI , 1xHD-SDI , 1xS-video/CVBS
- Video output: 2xDVI, 1xHD-SDI , 1xS-video/CVBS
- Audio: 5 input, 4 output
- 2xRS232, 2xUSB



9035A-1080P (9035A-1080P+VPC500S-+M210)

- Excellent 1080P HD endpoint
- up to 4Mbps, 1080P30, 720P30 video, dual 720p30 decode,
- AAC-LD Audio,H.239(1280x1024),
- Video input: 2xDVI , 1xS-Video
- Video output: 2xDVI, 1xS-Video
- Audio: 5 input, 4 output
- 2xRS232, 2xUSB



9030-1080P (9030-1080P+VPC500E+M210)

- Excellent 1080P HD endpoint
- up to 2Mbps, 1080P30, 720p30 video,
- AAC-LD audio, H.239(1280x1024)
- Video input: 2xDVI
- Video output: 2xDVI
- Audio: 4 input, 4 output
- 2xRS232, 2xUSB



9039S-M (9039SM+VPC500+M210)

- Full HD endpoint and embedded MCU for small-medium business
- Up to 8Mbps, 1080p30 video, dual 720p30, AAC-LD
- Audio, H.239(1280x1024)
- Video input: 2xDVI, 1xHD-SDI, 1xS-video/CVBS
- Video output: 2xDVI, 1xHD-SDI, 1xS-video/CVBS
- Audio: 5 input, 4 output
- 2xRS232, 2xUSB



9036S-M (9036SM+VPC500S-1080P+M210)

- Excellent HD endpoint and embedded MCU for small business
- Up to 4Mbps, 1080p30/720p60 , AAC-LD audio, H.239 (1280x1024)
- Video input: 2xDVI , 1xS-Video/CVBS
- Video output: 2xDVI, 1xS-Video/CVBS
- Audio: 5 input, 4 output
- 2xRS232, 2xUSB



9035A-720P (9035A-720P+VPC500S-+M210)

- Excellent 720P HD endpoint
- up to 4Mbps, 720p30 video, dual 720p30 decode,
- AAC-LD Audio,H.239(1280x1024),
- Video input: 2xDVI , 1xS-Video
- Video output: 2xDVI, 1xS-Video
- Audio: 5 input, 4 output
- 2xRS232, 2xUSB



9030-720P (9030-720P+VPC500E+M210)

- Excellent 720P HD endpoint
- up to 2Mbps, 720p30 video,
- AAC-LD audio, H.239(1280x1024)
- Video input: 2xDVI
- Video output: 2xDVI
- Audio: 4 input, 4 output
- 2xRS232, 2xUSB



MCU9620

- VP 9620
- Full HD multiparty conferencing, performance and flexibility
- Capacity:
 - 12,24,36 HD ports (720p30)@ 4Mbps, or,
 - 12,24,36 HD Ports (1080p30)@ 4Mbps
- Protocols: H.323, SIP, H.235,H.239, FTP, RTP, HTTP, HTTPS
- Upgrade flexibility
- Bandwidth: IP, 64Kbps ~ 4Mbps per port
- Video protocol: H.264, H.263, H.263+, H.261
- Video resolution: 1080p30, 720p60, 720p30, 4CIF, 2CIF, CIF, QCIF
- Audio protocol: AAC-LD/LC, HWA-LD, G.711, G.722, G.728 Content: H.239, 1280x1024
- Encryption: AES
- Universal transcoding: video, audio, content, rate
- Personal high definition Continuous Presence
- Video and audio IVR
- Web-based UI
- Embedded GK, for 256 devices



MCU8660

- H.323/SIP/H.320/TIP
- Up to 512 HD ports, scalable
- Support IP, E1
- HD video: H.264, 720p/1080p
- Wideband audio: AAC-LD, 22KHz
- Load sharing design
- Hot-swappable boards
- Lines backup
- Active-standby main control board
- AES/DES media encryption
- RoHS, CE



SMC2.0

Service Management System 2.0 (SMC2.0) is a new-generation videoconferencing service management system. The system is designed to assist small, medium and large organizations to manage and monitor their Videoconferencing and Telepresence estates.



- Integrate conference management and gatekeeper
- Web interface support
- Third party integration and APIs support
- Uniform Access Number, URI calling
- Protocol and standard compliance: ITU-T H.323, H.460, FTP, HTTP, SNMP, HTTPS, LDAP, and H.350
- License management available

MCU9610

- VP 9610
- Full HD multiparty conferencing, performance and flexibility
- Capacity:
 - 12 HD ports (720p30) @ 4Mbps, or,
 - 12 HD Ports (1080p30)@ 4Mbps
- Protocols: H.323, SIP, H.235, H.239, FTP, RTP, HTTP, HTTPS
- Bandwidth: IP, 64Kbps ~ 4Mbps per port
- Video protocol: H.264, H.263, H.263+, H.261
- Video resolution: 1080p30, 720p60, 720p30, 4CIF, 2CIF, CIF, QCIF
- Audio protocol: AAC-LD/LC, HWA-LD, G.711, G.722, G.728 Content: H.239, 1280x1024
- Encryption: AES
- Universal transcoding: video, audio, content, rate
- Personal high definition Continuous Presence
- Video and audio IVR
- Web-based UI
- Embedded GK, for 128 devices



MCU8650

- H.323 / SIP / H.320
- Up to 256 HD ports, scalable
- Support IP, E1
- HD video: H.264, 720p/1080p
- Wideband audio: AAC-LD, 22KHz
- Load sharing design
- Hot-swappable boards
- Lines backup
- AES/DES media encryption
- RoHS, CE



UGW9500

UGW9500 is the industry's first gateway to support interoperability between Telepresence Interoperability Protocol (TIP) based telepresence systems and other video endpoints based on different protocols. The UGW9500 supports H.323, IP Multimedia Subsystem (IMS), HD resolutions up to 1080p30, and TIP.



- Videoconferencing standards: ITU-T H.323, IETF SIP and TIP
- Allow any standard VC&TP system to communicate with TIP Telepresence sites
- Support up to 15 channels of tri-screen Telepresence or 45 channels of 1080p30 4Mbit/s HD
- Support up to 3 channels of 720p30 4Mbit/s HD
- Support connections with 6 TIP Telepresence systems

eSpace U1910/U1930

eSpace U1910/U1930, a small and medium capacity IP-PBX, is a core component of Huawei IP telephony solution that provides professional voice services. U1910/U1930 supports both narrowband and broadband access and it supports different types of terminals, such as IP phones, analog phones, fax machines and integrated access devices IAD (for Remote analog / fax users).



- Up to 100 (U1910) and 300 users (U1930), mixed access in IP and analog mode in SME
- Up to 96 (U1910) and 224 (U1930) analog to access a single device
- Both AC and DC input power supported, two power supply modules of 1+1 backup mode
- The built-in voicemail and web configuration function available
- The unified network management system and local Network management system supported

eSpace 7800 Series IP Phone

eSpace 7800 series IP Phone is a next generation multiple line IP phone using Session Initiation Protocol (SIP). It has a variety of functions and is easy to use. The available models in eSpace 7800 series are eSpace 7810, eSpace 7820, eSpace 7830, eSpace 7850 and eSpace 7870.



- User-friendly interactive liquid crystal display (LCD) interface and high-fidelity voice quality, perfect for frequent phone users, such as high-level executives, secretaries, and attendants
- TI TITAN chipset using the TI voice engine technology, which provides high-fidelity voice quality with the help of a high-quality handle, speaker, and headset
- Automatic deployment technology, simplifying the deployment process for system administrators
- Signaling and media encryption, and Web management pages based on Hypertext Transfer Protocol Secure (HTTPS)

eSpace U1980

eSpace U1980, a medium and big capacity IP-PBX, is a core component of Huawei IP telephony solution that provides professional voice services. U1980 supports both narrowband and broadband access and it supports different types of terminals, such as IP phones, analog phones, fax machines and integrated access devices IAD (for Remote analog / fax users). U1980 supports dual main control boards and power module backup, dual-host disaster recovery and local regeneration.



- A single module supports a maximum of 10,000 users
- High Reliability: SMCU backup, PSU backup, Dual-module backup, local regeneration, non-local disaster recovery
- The built-in 960 parties audio conference to reduce the service Self inside deployment cost
- BMU self - service function to improve the Management efficiency for Enterprise
- Local management and unified management supported

eSpace 8850 Video Phone

eSpace 8850 Video Phone is a multimedia IP phone with excellent user experience.



- 7 inches, 800 x 480 pixels, touchscreen
- External interfaces: 10/100 Base-T, 3.5mm headset, USB, CVBS, SD/MMC
- Audio and video format: G.711A/U, G.729AB, AMR-NB, H.263, H.264
- Communication protocols: SIP 2.0, TCP/IP/UDP, RTP/RTCP/SRTP, HTTP/HTTPS, ARP, ICMP, DHCP, PPPoE, NTP, STUN, UPNP, TFTP, ICMP

Tecal ES3060M SSD High-Performance Storage

Tecal ES series high-performance PCIe SSD Card eliminates the bottleneck of storage I/O and improves server efficiency with which reduces the OPEX and TCO for customers. It helps customers to win commercial success with application accelerations.



- Maximum capacity: 640 GB
- Process most valuable data in limited time
- Reduce storage latency and eliminate I/O bottleneck, I/O per second (IOPS): 250,000
- Accelerate applications, reduce response time and increase efficiency
- Minimize power and cooling cost for high-density data center servers

Cluster NAS Storage Systems

N8300

A highly modular unified storage platform (consisting of NAS, FC-SAN, and IP-SAN) that has independent property rights and leasing technology, and stratifies medium-end storage application requirements



- Two to six controllers
- Active-Active mode
- Four or eight GE ports/controllers
- FC/SAS/SATA hard disks
- Maximum storage capacity of 7 PB
- Multi-protocol integration storage system, supporting FC SAN, IPSAN, NFS, and CIFS

N8500

A highly modular unified storage platform (consisting of NAS, FC-SAN, and IP-SAN) that has independent property rights and leasing technology, and stratifies medium-end storage application requirements



- Four to sixteen controllers
- Active-Active mode
- Four or six GE ports/controllers
- FC/SAS/SATA hard disks
- Maximum storage capacity of 15 PB
- Multi-protocol integration storage system, supporting FC SAN, IPSAN, NFS, and CIFS

SAN Storage Systems

S2600T

A storage product that focuses on low- and medium-end storage markets and satisfies the storage and backup requirements of databases, files, and videos in the Windows and Linux operating systems



- Dual controllers
- Front ports: 8 Gbit/s FC ports, 1 or 10 GE (iSCSI) ports
- Back ports: SAS 2.0 wide ports
- Onboard I/O ports: twelve 1 GE (iSCSI) ports (front) + four SAS 2.0 ports (back)
- SAS wide ports
- SSD/SAS/SATA hard disks
- 204 hard disk drivers

S5500T

A new-generation product that focuses on medium-end storage markets, satisfies different service application requirements for large-sized database OLTP/OLAP, centralized storage, backup, disaster recovery, and data migration, and effectively ensures user service security and availability



- Dual controllers
- Front ports: 8 Gbit/s FC ports, 1 or 10 GE (iSCSI) ports
- Back ports: SAS 2.0 wide ports
- Onboard I/O ports: eight 8 Gbit/s FC ports (front) + four SAS 2.0 ports (back)
- SAS wide ports
- SSD/SAS/SATA hard disks
- 288 hard disk drivers

SAN Storage Systems

S5600T/S5800T

A new-generation product that focuses on medium- and high-end storage markets, satisfies different service application requirements for large-sized database OLTP/OLAP, centralized storage, backup, disaster recovery, and data migration, and effectively ensures user service security and availability



- Dual controllers
- Front ports: 8 Gbit/s FC ports, 1 or 10 GE (iSCSI) ports
- Back ports: 4 Gbit/s FC ports or SAS 2.0 wide ports
- Onboard I/O ports: 0
- SSD/FC/SATA or SSD/SAS/SATA hard disks
- 576 / 1152 hard disk drivers

S6800T

A new-generation product that focuses on high-end storage markets, satisfies different service application requirements for large-sized database OLTP/OLAP, centralized storage, backup, disaster recovery, and data migration, and effectively ensures user service security and availability



- Dual controllers
- Front ports: 8 Gbit/s FC ports, 1 or 10 GE (iSCSI) ports
- Back ports: 4 Gbit/s FC ports or SAS 2.0 wide ports
- Onboard I/O ports: 0
- SSD/FC/SATA or SSD/SAS/SATA hard disks
- 1440 hard disk drivers

SSD Array

Dorado2100

Dorado2100 is an FC-SAN solid state storage product designed for the enterprise-level high-performance storage market. It is designed with SSD storage system architecture, advanced cache management and I/O scheduling algorithm to present stunning performance. It fits into scenarios such as large database query/retrieval, high-performance computing, and video editing.



- Deliver a maximum of 170,000 IOPS, equal to the IOPS of traditional disk arrays with two hundred and fifty 15,000 rpm SAS disks
- Low access latency up to 800µs, only 8% of a traditional disk array
- Energy saving design with low power consumption up to 320 W, intelligent CPU frequency control and 16-gear intelligent fan speed control
- High reliability design with media protection, data Protection and redundancy architecture

Dorado5100

Dorado5100 is an FC-SAN solid-state storage array for the enterprise-class high performance storage market. It adopts exclusive solid-state storage and the dual-controller design to provide a compelling user experience. Dorado5100 can meet the requirements of various applications such as large-scale database, high-performance computing, and VDI for highly reliable and high-performance storage.



- Deliver 1,000,000 IOPS- a performance equal to traditional arrays with 1400 15K RPM SAS disks.
- Low access latency up to 500µs, only 5% of traditional arrays.
- Energy saving design with low power consumption up to 160 W, intelligent CPU frequency control and 16-gear intelligent fan speed control
- High stability and design with media safeguard, data Protection and redundancy architecture



