

C1112-8P Datasheet

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Overview

Cisco 1100 Series Integrated Services Router (ISRs) delivers Cisco IOS® XE Software, providing WAN, comprehensive security, wired and wireless access in a single, high-performance platform. Cisco 1100 Series ISR is ideal for Small and Medium enterprise branch offices. The C1112-8P is the ISR 1100 G.FAST with GE SFP Ethernet Router.

Quick Spec

Table 1 shows the quick spec.

Model	C1112-8P
GE	N/A
GE/SFP combo	1
ADSL2/VDSL2+	1 G.FAST (Annex B)
LTE Advanced (CAT6)	N/A
802.11ac	N/A
GE	8
PoE	4
PoE+	2
Integrated USB 3.0 AUX/console	Yes
Pluggable	N/A
Dimensions (H x W x D)	1.75 x 12.7 x 9.03 in. (42 x 323 x 230mm)

Product Details

Table 2 shows the business benefits.

Business need	Features/description
Lightweight, compact size with low power consumption	● Can be deployed in many different environments where space, heat dissipation, and low power consumption are critical factors.
High performance to run concurrent services	● High performance allows customers to take advantage of broadband network speeds while running secure, concurrent data, voice, video, and wireless services.
High availability and business continuity	● Redundant WAN connections for failover protection and load balancing. ● Dynamic failover protocols such as Virtual Router Redundancy Protocol (VRRP; RFC 2338), Hot Standby Router Protocol (HSRP), and Multigroup HSRP (MHSRP).
Consistent, high application performance levels	● The router can run multiple services simultaneously with minimal performance degradation.
Risk mitigation with multilevel security	● Network perimeter security with integrated application inspection firewall. ● Data privacy through high-speed IP Security (IPsec) Triple Data Encryption Standard (3DES), and Advanced Encryption Standard (AES) encryption. ● High-performance VPNs: DMVPN, FlexVPN, GET VPN, EzVPN ● Cisco Umbrella™ security architecture to provide content filtering via category-based URL classification and blocking, thus helping increase productivity and providing better use of company resources. ● Enforced security policy with OpenDNS. ● Security hardware acceleration. ● Trustworthy systems with Field-Programmable Gate Array (FPGA) and hardware anchor. ● Encrypted traffic analytics maintain integrity of encrypted flow

Unified control of wired and wireless networks from a common console for streamlined operations	<ul style="list-style-type: none">● Simplifies and centralizes configuration and management of wireless and wireline devices. Supports WLAN services without requiring a wireless LAN controller.● Supports Mobility Express for WLAN-enabled routers.
Remote configuration and management to keep local IT staff lean	<ul style="list-style-type: none">● Supports separate console/auxiliary and USB ports.● Can be configured to work with optional USB token.● Supports TR-069.
Performance <ul style="list-style-type: none">● Throughput● Service reliability	<ul style="list-style-type: none">● Crypto performance up to 250 Mbps for 1100-8P and 150 Mbps for 1100-4P.● A distributed multicore architecture with the industry's first internal services plane.● Remote installation of application-aware services that run identically to their counterparts in dedicated appliances.
Lower WAN expenditures	<ul style="list-style-type: none">● Cisco Software-Defined WAN (SD-WAN) (over the Cisco Application Policy Infrastructure Controller Enterprise Module [APIC-EM]) support for optimized WAN connection.
Pay as you grow: IPsec performance upgrade model	<ul style="list-style-type: none">● Router IPsec capacity can be increased with a remote performance-on-demand license upgrade (no hardware upgrade) for exceptional savings and CapEx budget management.
IT consolidation, space savings, and improved Total Cost of Ownership (TCO)	<ul style="list-style-type: none">● Single converged branch platform integrates routing, switching, security, and performance management capabilities.
Business continuity and increased resiliency	<ul style="list-style-type: none">● The entire 1100 Series supports Power over Ethernet (PoE) and PoE+ power to endpoints.

Supported Products

Table 3 shows recommended supported products.

Models	Description
C1-SL-1100-8P-APP	AppX Foundation License for Cisco ISR 1100 8P Series
SL-1100-8P-SEC	Security License for Cisco ISR 1100 8P Series
SL-1100-8P-SECNPE	NPE Security License for Cisco ISR 1100 8P Series
C1-SL-1100-8P-SEC	Security Foundation License for Cisco ISR 1100 8P Series
FL-VPERF-8P-200	IPSEC PLUS 200 Mbps License for Cisco ISR 1100 8P Series
GLC-EX-SMD	1000BASE-EX SFP transceiver module, SMF, 1310nm, DOM.
GLC-LH-SMD	GE SFP, LC connector LX/LH transceiver; with DOM.
GLC-SX-MMD	GE SFP, LC connector SX transceiver; with DOM.
GLC-ZX-SMD	1000BASE-ZX SFP; with DOM.
GLC-FE-100ZX	100BASE-ZX SFP (80km).
GLC-BX-D	1000BASE-BX SFP, 1490NM.
GLC-BX-U	1000BASE-BX SFP, 1310NM.

Compare to Similar Item

Table 4 shows the comparison.

Model	C1111-8P	C1112-8P
WAN GE	1	N/A
WAN GE/SFP combo	1	1
ADSL2/VDSL2+	N/A	1 G.FAST (Annex B)
LTE Advanced (CAT6)	N/A	N/A
802.11ac	N/A	N/A

LAN GE	8	8
PoE	4	4
PoE+	2	2
Integrated USB 3.0 AUX/console	Yes	Yes

Get More Information

Do you have any question about the C1112-8P?

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Specification

C1112-8P Specification	
Description	ISR 1100 G.FAST with GE SFP Ethernet Router
Dimensions (H x W x D)	1.75 x 12.7 x 9.03 in. (42 x 323 x 230mm)
AC Input Power	
Input voltage	Universal 100 to 240 VAC
Frequency	50-60 Hz
Maximum output power	66W (default)
Output voltages	12 VDC
PoE and PoE+	Single 150W power supply required for Cisco 1100-8P series router
External output voltage	48 VDC
Ports	
GE	N/A
GE/SFP combo	1
ADSL2/VDSL2+	1 G.FAST (Annex B)
GE	8
PoE	4
PoE+	2
Integrated USB 3.0 AUX/console	Yes
Default and maximum DRAM	4GB
Default and maximum flash	4GB

Approvals and compliance	Emission 47 CFR Part 15 CISPR 32 Edition 2 EN 300 386 V1.6.1 EN 55032:2012/ AC:2013 EN 55032:2015 EN61000-3-2 2014 EN61000-3-3: 2013 ICES-003 ISSUE 6:2016 KN 32: 2015 V-2/2015.04 V-3/2015.04 TCVN 7189: 2009 CNS13438: 2006 IEC 60950-1 EN 60950-1 UL 60950-1 CSA C22.2 No. 60950-1 Immunity CISPR24: 2010 + A1: 2015 EN 300 386 V1.6.1 EN55024: 2010 + A1: 2015 KN35: 2015 TCVN 7317: 2003
Environmental	
Operating humidity	10% to 85% relative humidity (noncondensing)
Operating temperature	32° to 104°F (0° to 40°C)
Transportation and Storage	
Nonoperating temperature	-4° to 149°F (-0° to 65°C)
Nonoperating humidity	5 to 95% relative humidity (noncondensing)
Nonoperating altitude	0 to 15,000 ft (0 to 4570m)


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