C1111-8P Datasheet

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 C1111-8P is the ISR 1100 8 Ports Dual GE WAN Ethernet Router, delivering 1 WAN port and 8GE LAN ports.

Quick Spec

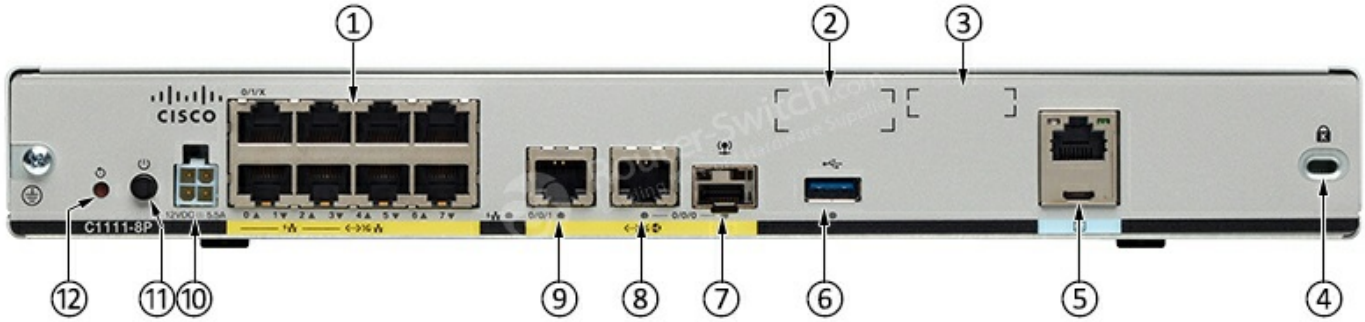
Figure 1 shows the appearance of C1111-8P.

Table 1 shows the quick spec.

Model	C1111-8P
GE	1
GE/SFP combo	1
ADSL2/VDSL2+	N/A
LTE Advanced (CAT6)	N/A
802.11ac	N/A
GE	8
PoE	4
PoE+	2
Integrated USB 3.0 AUX/console	Yes
Dimensions (H x W x D)	1.75 x 12.7 x 9.03 in. (42 x 323 x 230mm) (includes rubber feet)
Weight with AC PS (w/o modules)	5.5 Lbs. (2.5 kg) maximum

Product Details

Figure 2 shows the back ports of C1111-8P. It doesn’t include the antennas.



Note:

(1)	LAN	(7)	GE 0/0/0 - SFP
(2)	CLEI Label	(8)	GE 0/0/0 - RJ45
(3)	Serial Number	(9)	GE 0/0/1
(4)	Kensington Lock Slot	(10)	4-pin Power Connector
(5)	RJ45 / Micro USB Console	(11)	Power Switch
(6)	USB3.0	(12)	Reset Button

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	● 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	● Supports separate console/auxiliary and USB ports. ● Can be configured to work with optional USB token. ● Supports TR-069.

Performance ● Throughput ● Service reliability	● 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	● 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	● Router IPsec capacity can be increased with a remote performance-on-demand license upgrade (no hardware upgrade) for exceptional savings andCapEx budget management.
IT consolidation, space savings, and improved Total Cost of Ownership (TCO)	● Single converged branch platform integrates routing, switching, security, and performance management capabilities.
Business continuity and increased resiliency	● The entire 1100 Series supports Power over Ethernet (PoE) and PoE+ power to endpoints.

Compare to Similar Item

Table 5 shows the comparison between C1111-4P and C1111-8P.

Model	C1111-8P	C1111-4P
WAN GE	1	1
WAN GE/SFP combo	1	1
ADSL2/VDSL2+	N/A	N/A
LTE Advanced (CAT6)	N/A	N/A

802.11ac	N/A	N/A
LAN GE	8	4
PoE	4	2
PoE+	2	1
Integrated USB 3.0 AUX/console	Yes	Yes

C1111-8P Specification	
Description	ISR 1100 8 Ports Dual GE WAN Ethernet Router
Physical Properties	
Dimensions (H x W x D)	Non-LTE models: H x W X D = 1.75 x 12.7 x 9.03 in. (42 x 323 x 230mm) (includes rubber feet)
Weight with AC PS (w/o modules)	5.5 Lbs. (2.5 kg) maximum
AC Input Power	
Input voltage	Universal 100 to 240 VAC
Frequency	50-60 Hz
Input current	PoE not enabled: 0.82A maximum PoE enabled: 1.55A Maximum
Surge current	90 A peak and less than 8 Arms per half cycle
Ports	
Micro USB Port	One RJ-45: Separate console port
USB port	USB 3.0 Type A host port USB devices supported: USB flash memory
Console port	One USB 5-pin micro Type B: Console management connectivity
10/100/1000 Gigabit Ethernet	Two GE ports allocated among RJ45 and SFP as: One combo port with 10/100/1000RJ-45 Ethernet port or SFP Ethernet port (labeled GE0/0/0) One dedicated 10/100/1000RJ-45 Ethernet port (labeled GE0/0/1)
Wireless VLANs	32 (encrypted and non-encrypted VLANs)
Wireless specifications	2x2 .11ac Wave 2
Default and maximum DRAM	4GB
Default and maximum flash	4GB
Inline PoE	4 ports for -8P PIDs, 2 ports for -4P PIDs 802.3af-compliant PoE or 802.3at-compliant PoE+

Acoustic for Cisco 1100 Series ISRs	Not Applicable - Fanless design
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	5 to 85% relative humidity
Operating temperature	32 to 104°F (0 to 40°C) Sea Level; 32 to 77°F (0°C to 25°C) at 10,000 ft 1.5°C derating per 1000 ft
Altitude in China	0-6560 ft (0-2000 m)
Altitude in all other countries	0-10,000 ft (0-3050 m)
Transportation and Storage	
Nonoperating temperature	-40 to 158°F (-40 to 70°C)
Nonoperating humidity	5 to 95% relative humidity (noncondensing)
Nonoperating altitude	0 to 15,000 ft (0 to 4570m)