# C1113-8P 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 C1113-8P is the ISR 1100 G.FAST with GE SFP Ethernet Router.

## Quick Spec

**Table 1 shows the quick spec.**

| Model | C1113-8P |
|---|---|
| GE | N/A |
| GE/SFP combo | 1 |
| ADSL2/VDSL2+ | 1 G.FAST (Annex A) |
| 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. <br> ● 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. <br> ● Data privacy through high-speed IP Security (IPsec) Triple Data Encryption Standard (3DES), and Advanced Encryption Standard (AES) encryption. <br> ● High-performance VPNs: DMVPN, FlexVPN, GET VPN, EzVPN <br> ● 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. <br> ● Enforced security policy with OpenDNS. <br> ● Security hardware acceleration. <br> ● Trustworthy systems with Field-Programmable Gate Array (FPGA) and hardware anchor. <br> ● 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.<br>● Supports Mobility Express for WLAN-enabled routers. |
|---|---|
| Remote configuration and management to keep local IT staff lean | ● Supports separate console/auxiliary and USB ports.<br>● Can be configured to work with optional USB token.<br>● Supports TR-069. |
| Performance<br>● Throughput<br>● Service reliability | ● Crypto performance up to 250 Mbps for 1100-8P and 150 Mbps for 1100-4P.<br>● A distributed multicore architecture with the industry's first internal services plane.<br>● 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. |

## 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 | C1113-8P |
|---|---|---|
| WAN GE | 1 | N/A |
| WAN GE/SFP combo | 1 | 1 |
| ADSL2/VDSL2+ | N/A | 1 G.FAST<br>(Annex A) |
| 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 C1113-8P?

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# Specification

| C1113-8P 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 A) |
| 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<br>47 CFR Part 15<br><br>CISPR 32 Edition 2<br>EN 300 386 V1.6.1<br>EN 55032:2012/ AC:2013<br>EN 55032:2015<br>EN61000-3-2 2014<br>EN61000-3-3: 2013<br>ICES-003 ISSUE 6:2016<br>KN 32: 2015<br>V-2/2015.04<br>V-3/2015.04<br>TCVN 7189: 2009<br>CNS13438: 2006<br>IEC 60950-1<br>EN 60950-1<br>UL 60950-1<br>CSA C22.2 No. 60950-1<br>Immunity<br>CISPR24: 2010 + A1: 2015<br>EN 300 386 V1.6.1<br>EN55024: 2010 + A1: 2015<br>KN35: 2015<br>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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