

C1117-4PWE 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 C1117-4PWE is the ISR 1100 4P Router with DSL Annex A, w/ LTE Adv, SMS/GPS and 802.11ac -E WiFi.

Quick Spec

Table 1 shows the quick spec.

| | |
|---------------------------------|---|
| Model | C1117-4PWE |
| WAN GE | N/A |
| WAN GE/SFP combo | 1 |
| ADSL2/VDSL2+ | 1 ADSL2/VDSL2+ (Annex A) |
| LTE Advanced (CAT6) | N/A |
| 802.11ac | 2X2 MIMO |
| LAN GE | 4 |
| PoE | 2 |
| PoE+ | 1 |
| 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

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 | <ul style="list-style-type: none"> ● 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. |

Product Accessories Licenses

Table 3 shows the licenses for C1117-4PWE.

| Licenses | Description |
|-----------------------------------|--|
| SL-1100-4P-APP | AppX License for Cisco ISR 1100 4P Series |
| C1-SL-1100-4P-APP | AppX Foundation License for Cisco ISR 1100 4P Series |
| SL-1100-4P-SEC | Security License for Cisco ISR 1100 4P Series |
| C1-SL-1100-4P-SEC | Security License for Cisco ISR 1100 4P Series |
| SL-1100-4P-SECNPE | NPE Security License for Cisco ISR 1100 4P Series |

Small Form-Factor Pluggable Supported

Table 4 shows the SFP for Cisco 1100 Series Routers.

| Small Form-Factor Pluggable | ISR 1100 8P | ISR 1100 4P | Description |
|------------------------------|-------------|-------------|---|
| GLC-EX-SMD | Yes | Yes | 1000BASE-EX SFP transceiver module, SMF, 1310nm, DOM. |
| GLC-LH-SMD | Yes | Yes | GE SFP, LC connector LX/LH transceiver; with DOM. |
| GLC-SX-MMD | Yes | Yes | GE SFP, LC connector SX transceiver; with DOM. |
| GLC-ZX-SMD | Yes | Yes | 1000BASE-ZX SFP; with DOM. |
| GLC-FE-100ZX | Yes | Yes | 100BASE-ZX SFP (80km). |
| GLC-GE-100FX | Yes | Yes | 100FX SFP on GE ports. |
| GLC-BX-D | Yes | Yes | 1000BASE-BX SFP, 1490NM. |

| | | | |
|----------|-----|-----|--------------------------|
| GLC-BX-U | Yes | Yes | 1000BASE-BX SFP, 1310NM. |
|----------|-----|-----|--------------------------|

Compare to Similar Item

Table 5 shows the comparison between C1117-4P and C1117-4PWE.

| Model | C1117-4P | C1117-4PWE |
|--------------------------------|--------------------|--------------------------|
| WAN GE | N/A | N/A |
| WAN GE/SFP combo | 1 | 1 |
| ADSL2/VDSL2+ | 1 VA-DSL (Annex A) | 1 ADSL2/VDSL2+ (Annex A) |
| LTE Advanced (CAT6) | N/A | N/A |
| 802.11ac | N/A | 2X2 MIMO |
| LAN GE | 4 | 4 |
| PoE | 2 | 2 |
| PoE+ | 1 | 1 |
| Integrated USB 3.0 AUX/console | Yes | Yes |

Get more information

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Specification

| C1117-4PWE Specification | |
|---------------------------------|---|
| Description | ISR 1100 4P DSL Annex A w/ LTE Adv SMS/GPS 802.11ac -E WiFi |
| 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) |

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