

# C1101-4PLTEPWX 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 C1101-4PLTEPWX is the ISR 1101 4 Ports LTE, X WiFi domain.

## Quick Spec

Table 1 shows the quick spec.

Model	C1101-4PLTEPWX
GE	1
GE/SFP combo	N/A
ADSL2/VDSL2+	N/A
LTE Advanced (CAT6)	N/A
802.11ac	2X2 MIMO
GE	4
PoE	N/A
PoE+	N/A
Integrated USB 3.0 AUX/console	Yes (No AUX)

## 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	● 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"> <li>● Supports separate console/auxiliary and USB ports.</li> <li>● Can be configured to work with optional USB token.</li> <li>● Supports TR-069.</li> </ul>
Performance <ul style="list-style-type: none"> <li>● Throughput</li> <li>● Service reliability</li> </ul>	<ul style="list-style-type: none"> <li>● Crypto performance up to 250 Mbps for 1100-8P and 150 Mbps for 1100-4P.</li> <li>● A distributed multicore architecture with the industry's first internal services plane.</li> <li>● Remote installation of application-aware services that run identically to their counterparts in dedicated appliances.</li> </ul>
Lower WAN expenditures	<ul style="list-style-type: none"> <li>● Cisco Software-Defined WAN (SD-WAN) (over the Cisco Application Policy Infrastructure Controller Enterprise Module [APIC-EM]) support for optimized WAN connection.</li> </ul>
Pay as you grow: IPsec performance upgrade model	<ul style="list-style-type: none"> <li>● Router IPsec capacity can be increased with a remote performance-on-demand license upgrade (no hardware upgrade) for exceptional savings and CapEx budget management.</li> </ul>
IT consolidation, space savings, and improved Total Cost of Ownership (TCO)	<ul style="list-style-type: none"> <li>● Single converged branch platform integrates routing, switching, security, and performance management capabilities.</li> </ul>
Business continuity and increased resiliency	<ul style="list-style-type: none"> <li>● The entire 1100 Series supports Power over Ethernet (PoE) and PoE+ power to endpoints.</li> </ul>

## Supported Products

Table 3 shows recommended supported products.

Models	Description
<a href="#">SL-1100-4P-APP</a>	AppX License for Cisco ISR 1100 4P Series
<a href="#">C1-SL-1100-4P-APP</a>	AppX Foundation License for Cisco ISR 1100 4P Series
<a href="#">SL-1100-4P-SEC</a>	Security License for Cisco ISR 1100 4P Series
<a href="#">C1-SL-1100-4P-SEC</a>	Security License for Cisco ISR 1100 4P Series
<a href="#">SL-1100-4P-SECNPE</a>	NPE Security License for Cisco ISR 1100 4P Series
<a href="#">GLC-EX-SMD</a>	1000BASE-EX SFP transceiver module, SMF, 1310nm, DOM.
<a href="#">GLC-LH-SMD</a>	GE SFP, LC connector LX/LH transceiver; with DOM.
<a href="#">GLC-SX-MMD</a>	GE SFP, LC connector SX transceiver; with DOM.
<a href="#">GLC-ZX-SMD</a>	1000BASE-ZX SFP; with DOM.
<a href="#">GLC-FE-100ZX</a>	100BASE-ZX SFP (80km).
<a href="#">GLC-BX-D</a>	1000BASE-BX SFP, 1490NM.
<a href="#">GLC-BX-U</a>	1000BASE-BX SFP, 1310NM.

## Compare to Similar Item

Table 4 shows the comparison.

Model	<a href="#">C1112-8PLTEAWE</a>	C1101-4PLTEPWX
WAN GE	N/A	1
WAN GE/SFP combo	1	N/A
ADSL2/VDSL2+	1 G.FAST (Annex B)	N/A
LTE Advanced (CAT6)	1 EMEAR & North America	N/A
802.11ac	2X2 MIMO	2X2 MIMO
LAN GE	8	4
PoE	4	N/A

PoE+	2	N/A
Integrated USB 3.0 AUX/console	Yes	Yes (No AUX)

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Specification

C1101-4PLTEPWX Specification	
GE	1
GE/SFP combo	N/A
ADSL2/VDSL2+	N/A
LTE Advanced (CAT6)	N/A
802.11ac	2X2 MIMO
GE	4
PoE	N/A
PoE+	N/A
Integrated USB 3.0 AUX/console	Yes (No AUX)
Pluggable	Yes (All)
Memory (default and maximum)	DRAM: 4 GB Flash: 4 GB
Console	· Micro USB console (USB 3.0).
Mini-USB port (reserved)	· Micro-USB port to support remote LTE diagnostics and monitoring tools (Qualcomm CAIT and Spirent UDM) (USB 3.0).
802.11ac	· 2x2 SU-MIMO/MU-MIMO with two spatial streams. · Maximal Ratio Combining (MRC). · 20-, 40-, and 80-MHz channels. · PHY data rates up to 866.7 Mbps (80 MHz on 5 GHz). · Packet aggregation: A-MPDU (Tx/Rx), A-MSDU (Rx). · 802.11 Dynamic Frequency Selection (DFS). · Cyclic Shift Diversity (CSD) support.
Software	· Cisco Unified Wireless Network Software with AireOS Wireless Controllers Release 8.5 (8.7 for 1101 series) MR1 or later.
External power supply	· AC input voltage: Universal 100 to 240 VAC. · Frequency: 50 to 60 Hz. · Maximum output power: 66W (default). · Output voltages: 12 VDC. · Optional PoE and PoE+: <ul style="list-style-type: none"><li>Single 150W power supply required for Cisco 1100-8P series router</li><li>Single 115W power supply required for Cisco 1100-4P series router</li></ul> · External output voltage: 48 VDC.
USB 3.0	· USB devices supported: <ul style="list-style-type: none"><li>USB eTokens and USB flash memory</li></ul> · Note: Devices USB 3.0 supports to be connected externally.

LEDs	<ul style="list-style-type: none"><li>· WWAN (green/amber).</li><li>· SIM status (green/amber).</li><li>· Received signal strength indication (RSSI) bar (green).</li><li>· 3G/LTE service (green/amber).</li><li>· GPS (green/amber).</li><li>· Speed and link for Gigabit Ethernet WAN port (green).</li><li>· Speed and link for all Fast Ethernet LAN ports (green).</li></ul>
Physical dimensions (H x W x D)	1.1 x 7.5 x 6.0 in. (27.9 x 190.5 x 152.4 mm) (includes rubber feet models)
Weight	3.34 lb (1.51kg)
Environmental operating range	<ul style="list-style-type: none"><li>· Nonoperating temperature: -4° to 149°F (-0° to 65°C).</li><li>· Nonoperating humidity: 5% to 95% relative humidity (noncondensing).</li><li>· Nonoperating altitude: 0 to 15,000 ft (0 to 4570 m).</li><li>· Operating temperature: 32° to 113°F (0° to 45°C).</li><li>· Operating humidity: 10% to 85% relative humidity (noncondensing).</li><li>· Operating altitude: 0 to 10,000 ft (0 to 3000 m).</li></ul>


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