

Cisco ISR C1111-8PLTEEA

8-PORT GE SWITCH + DUAL SIM 4G LTE ADVANCED ROUTER

Cisco IOS XE
4G LTE CAT6 (EA Region)

The **Cisco C1111-8PLTEEA** is a high-density, multi-service branch router that integrates enterprise WAN routing, an 8-port Managed Switch (4x PoE / 2x PoE+ capable), and built-in 4G LTE Advanced (Category 6) cellular backup. Designed for North America, Europe, and Asia-Pacific regions, it delivers uninterrupted WAN connectivity, SD-WAN readiness, and enterprise security in a compact, fanless desktop chassis.

ETHERNET WAN 2x GE 1x RJ-45 + 1x Combo SFP	CELLULAR WAN 4G CAT6 Dual SIM (EA Variant)	MANAGED LAN 8x GE 4x PoE / 2x PoE+ Ports	CRYPTO PERFORMANCE 250 Mbps Hardware IPsec VPN
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KEY SYSTEM ARCHITECTURE & CAPABILITIES

Multi-WAN Business Continuity Combines Dual Gigabit Ethernet WAN with 4G LTE Advanced Cat 6 cellular failover (up to 300 Mbps down / 50 Mbps up) with dual-micro-SIM failover.	High-Density LAN Switch + PoE Integrated 8-port Gigabit Ethernet switch supporting up to 4x 802.3af PoE or 2x 802.3at PoE+ ports to directly power IP phones, cameras, and APs.
Hardware-Accelerated Security Supports IPsec, Zone-Based Firewall, Encrypted Traffic Analytics (ETA), Trust Anchor module, Cisco Umbrella integration, and Cisco SD-WAN overlay.	Fanless & Compact Form Factor 0dB noiseless operating design, ideal for noise-sensitive office spaces, retail branch sites, remote bank branches, and desktop deployments.

HARDWARE INTERFACE & MEMORY SPECIFICATIONS

Component	Specification Details
WAN Ethernet Interfaces	1x Dedicated 10/100/1000 RJ-45 + 1x Combo Port (10/100/1000 RJ-45 or SFP)
Cellular WAN Modem	Integrated 4G LTE Advanced (Category 6) with 2x SMA external antenna connectors
SIM Card Slots	Dual Micro SIM slots (SIM 1 and SIM 2) with active automatic failover
LAN Switch Ports	8x 10/100/1000 Managed Gigabit Ethernet ports (Layer 2)
Inline Power (PoE)	Integrated PoE controller delivering up to 4 ports PoE (802.3af) or 2 ports PoE+ (802.3at)
System Memory	4 GB DRAM (DDR4) / 4 GB eMMC Flash storage
Console & Auxiliary	1x Micro-USB Console, 1x RJ-45 Auxiliary/Console, 1x USB 3.0 Type-A storage port

LTE BAND SUPPORT (EA VARIANT - EUROPE / AMERICAS / APAC)

Technology	Band Frequencies	Supported Bands
LTE FDD (Cat 6)	2100, 1900, 1800, 1700/2100, 850, 2600, 900, 700, 800, 2300 MHz	Bands 1, 2, 3, 4, 5, 7, 8, 12, 13, 20, 25, 26, 29, 30
LTE TDD (Cat 6)	2500 MHz	Band 41
Carrier Aggregation	2-Frequency Band Combinations	1+8, 2+(2,5,12,13,29), 3+(7,20), 4+(4,5,12,13,29), 7+(7,20), 12+30, 5+30, 41+41
3G / HSPA+	2100, 1900, 1700/2100, 850, 900 MHz	Bands 1, 2, 3, 4, 5, 8
GPS / Location	Standalone & Assisted GPS	NMEA data streaming over serial interface

PERFORMANCE & SCALABILITY BENCHMARKS

Performance Metric	Capacity	Deployment Context
IPsec VPN Throughput	250 Mbps	1400-byte packet hardware-accelerated encryption
SD-WAN IPsec Throughput	Up to 350 Mbps	With Cisco SD-WAN overlay activated
Concurrent IPsec Tunnels	200 Tunnels	Maximum active encrypted secure site-to-site tunnels
NAT Sessions	100,000	Concurrent stateful sessions

NETWORKING & SECURITY PROTOCOL MATRIX

Supported Cisco IOS XE Feature Set									
BGP4	OSPFv3	EIGRP	RIPv2	VRF-Lite	DMVPN	GETVPN	FlexVPN	IPsec AES-256	Zone-Based Firewall
802.1Q VLAN	HQoS	BFD	PBR	Cisco Umbrella	TR-069				

PHYSICAL, ENVIRONMENTAL & POWER SPECIFICATIONS

Parameter	Value / Description
Physical Dimensions	1.75 x 12.7 x 9.6 inches (42 x 323 x 244 mm) - 1RU Chassis
System Weight	5.5 lbs (2.5 kg) maximum with power supply
Input Voltage	Universal AC Power: 100 to 240 VAC (50 to 60 Hz)
Power Consumption	Non-PoE: 24W Fully Loaded with PoE Max: 80W
Operating Temperature	32°F to 104°F (0°C to 40°C) at sea level
Acoustic Level	0 dBA (Fanless silent operating architecture)
Regulatory Compliance	UL 60950-1, EN 60950-1, FCC Part 15, EN 300 386, CISPR 32, CE Mark