

Cisco ISR C1131-8PWE

ISR 1100 SERIES WI-FI 6 INTEGRATED BRANCH ROUTER

Cisco IOS XE
Integrated Wi-Fi 6 (Domain -E)

The **Cisco C1131-8PWE** is an enterprise-grade Integrated Services Router combining wired routing, integrated **Wi-Fi 6 (802.11ax)** wireless access point capabilities (E Regulatory Domain for Europe/Global regions), an 8-port Gigabit Ethernet switch with PoE/PoE+, and dual GE/SFP WAN connectivity in a silent, fanless desktop chassis powered by Cisco IOS XE.

WIRELESS ACCESS Wi-Fi 6 (11ax) E-Domain (Europe/APAC)	SWITCH DENSITY 8x GE 4x PoE / 2x PoE+ Ports	SYSTEM MEMORY 8 GB RAM 8 GB eMMC Flash	THERMAL / NOISE 0 dBA Fanless Passive Cooling
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KEY PLATFORM FEATURES & HIGHLIGHTS

Next-Gen Wi-Fi 6 (802.11ax) Embedded Wi-Fi 6 access point delivering higher throughput, improved multi-device capacity via OFDMA and MU-MIMO, and enhanced WPA3 security for wireless enterprise clients.	High-Density LAN Switch with PoE Integrated 8-port Gigabit Ethernet switch supporting up to 4x 802.3af PoE or 2x 802.3at PoE+ outputs to power IP phones, additional access points, and IP cameras.
Cisco SD-WAN Native Architecture Full support for Cisco Catalyst SD-WAN managed via Cisco vManage, offering zero-touch provisioning, real-time application routing, and cloud-delivered security overlay.	Enterprise Security Architecture Hardware Trust Anchor Module (TAM), Secure Boot, Encrypted Traffic Analytics (ETA), Zone-Based Firewall, IPsec AES-256 encryption, and Cisco Umbrella DNS security.

SYSTEM HARDWARE & WIRELESS SPECIFICATIONS

Component	Specification Details
WAN Interfaces	1x Dedicated 10/100/1000 RJ-45 + 1x Combo Port (10/100/1000 RJ-45 or SFP Optical Transceiver)
LAN Switch Ports	8x 10/100/1000 Managed Gigabit Ethernet Switch Ports (Layer 2)
Wi-Fi Standard	Wi-Fi 6 (IEEE 802.11ax) dual-band access point with 2x2 MIMO on 2.4 GHz & 5 GHz
Wireless Regulatory Domain	-E Domain (Europe, UK, Middle East, Asia-Pacific compliant frequencies)
Inline Power (PoE Budget)	Supports up to 4x 802.3af (PoE) ports or 2x 802.3at (PoE+) ports with external 115W AC supply
System Memory	8 GB DRAM default / 8 GB eMMC onboard Flash storage
Console & Auxiliary	1x Micro-USB Console Port + 1x Standard RJ-45 Auxiliary/Console Port
USB Interface	1x USB 3.0 Type-A high-speed host port for flash storage and diagnostic logs

PERFORMANCE BENCHMARKS & WIRELESS METRICS

Metric	Capacity	Description / Conditions
IPsec Crypto Throughput	Up to 1.5 Gbps	Hardware-accelerated IPsec encryption (1400-byte packets)
SD-WAN IPsec Throughput	Up to 1 Gbps	Active Cisco SD-WAN fabric encryption with multi-path steering
Wireless Max PHY Rate	Up to 1.4 Gbps	Combined 2.4 GHz & 5 GHz Wi-Fi 6 aggregate physical throughput
Wireless VLANs / SSIDs	Up to 32 VLANs / SSIDs	Multi-SSID segmentation with dedicated security profiles
Concurrent State Sessions	200,000 Sessions	Stateful NAT and firewall connection capacity

NETWORKING, SECURITY & WIRELESS FEATURE SET

Cisco IOS XE Advanced Feature Set						
Cisco IOS XE 17.x	Wi-Fi 6 (802.11ax)	WPA3 Enterprise / Personal	BGP4 / MP-BGP	OSPFv3	EIGRP	
DMVPN / GETVPN	Zone-Based Firewall	Encrypted Traffic Analytics	Cisco Umbrella	802.1X Auth	HQoS / NBAR2	

PHYSICAL, POWER & ENVIRONMENTAL SPECIFICATIONS

Parameter	Specification Details
Dimensions (H x W x D)	1.65 x 12.7 x 8.9 in. (42 x 323 x 226 mm) - 1RU Desktop Chassis
Weight	4.78 lbs (2.17 kg)
Power Supply Specs	External Universal AC Power Adapter: 100 to 240 VAC (50 to 60 Hz)
Power Consumption	Typical: 28W Maximum with full PoE load: 115W
Operating Temperature	32°F to 104°F (0°C to 40°C) at sea level
Storage Temperature	-40°F to 158°F (-40°C to 70°C)
Operating Humidity	5% to 85% non-condensing relative humidity
Acoustic Noise	0 dBA (Fanless silent operating architecture)

TARGET DEPLOYMENT SCENARIOS & ORDERING INFO

Target Deployment Scenarios Perfect for modern branch offices, remote clinics, retail storefronts, and executive desks in European and APAC regions requiring high-speed wired routing, PoE phone powering, and built-in Wi-Fi 6 wireless connectivity without extra AP hardware.	Ordering & Part Numbers Base Model: C1131-8PWE Power Adapter: 115W Power Supply (PWR-115W-AC) Rackmount Kit: 19-inch Rack Mount Kit (ACS-1100-RM2-19)
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