

Cisco Catalyst CW9162I

Wi-Fi 6E Tri-Band Access Point (CW9162I-ROW)

DATASHEET

Product Overview: The Cisco Catalyst CW9162I Access Point delivers flexible, high-performance Wi-Fi 6E (802.11ax) connectivity for enterprise networks. Built with dual-management capabilities, it allows seamless deployment via either Cisco Catalyst (WLC) or Cisco Meraki Cloud, offering unprecedented flexibility and investment protection.

KEY CAPABILITIES & FEATURES

Tri-Band Radio Architecture

- **Wi-Fi 6E (6 GHz):** Unlocks clean, wide-spectrum 6 GHz channels for ultra-low latency and maximum throughput.
- **Simultaneous Tri-Band:** Concurrent 2.4 GHz, 5 GHz, and 6 GHz radio operation.
- **Aggregate Rate:** Delivers up to 3.9 Gbps total PHY data rate.

Dual Management Flexibility

- **Meraki Cloud Managed:** Simplified cloud management, analytics, and instant provisioning.
- **Catalyst On-Premises:** Enterprise-grade control via Cisco DNA Center & Catalyst Controllers.
- **Flexible Migration:** Easily switch operational modes without replacing hardware.

Integrated IoT & Location

- **Bluetooth Low Energy (BLE 5.1):** Supports location tracking and indoor positioning services.
- **802.15.4 (Zigbee):** Built-in IoT gateway capability for smart building devices.
- **Dedicated Scanning Radio:** Continuous RF and security monitoring without performance impact.

Security & Optimization

- **WPA3 Encryption:** State-of-the-art wireless security across all radio bands.
- **Cisco CleanAir Pro:** Advanced RF spectrum intelligence to mitigate interference.
- **Secure Boot & Trust Anchor:** Hardware-level security preventing rogue firmware execution.

HARDWARE SPECIFICATIONS

Parameter	Specification
Model Number	CW9162I-ROW (Rest of World Regulatory Domain)
Wireless Standard	IEEE 802.11ax (Wi-Fi 6E), 802.11a/b/g/n/ac compatible
MIMO / Spatial Streams	2x2:2 MU-MIMO on 2.4 GHz, 5 GHz, and 6 GHz bands
Ethernet Uplink	1x 100/1000/2.5G Multigigabit Ethernet (RJ-45)

INTERFACE & PHYSICAL OVERVIEW



CW9162I Rear Ports and Interface View

Figure 1: Rear interface layout showing Multigigabit RJ-45, Console, USB, and DC Power ports.

POWER REQUIREMENTS & POE BUDGETING

Power Source	Functionality Level	Limitations
802.3at (PoE+)	Full Functionality	All radios active (2.4G, 5G, 6G), USB port enabled (4.5W max output).
802.3af (PoE)	Reduced Functionality	6 GHz radio disabled or downgraded; USB port disabled.
DC Power Input	Full Functionality	12V DC input connector (requires external adapter).

PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Metric	Details
Dimensions (W x L x H)	20.3 cm x 20.3 cm x 4.2 cm (8.0 in. x 8.0 in. x 1.6 in.)
Weight	0.9 kg (2.0 lbs)
Operating Temperature	0°C to 50°C (32°F to 122°F)
Non-Operating Temperature	-30°C to 70°C (-22°F to 158°F)
Operating Humidity	10% to 90% (non-condensing)
System Memory	2 GB DRAM / 1 GB Flash Memory

COMPLIANCE & DOMAIN INFORMATION

Regulatory Domain (-ROW): The **CW9162I-ROW** model is designed for global deployment across regions outside the Americas and Europe that support Wi-Fi 6E (6 GHz) spectrum regulatory guidelines. Always check local country spectrum regulatory compliance before operational deployment.