

Cisco Catalyst CW9162I

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

ETSI DATASHEET

Product Overview: The Cisco Catalyst CW9162I-E Access Point is calibrated specifically for the European Regulatory Domain (ETSI). Delivering enterprise Wi-Fi 6E (802.11ax) performance, it features dual-management options—operating seamlessly under Cisco Catalyst On-Premises Controllers or Cisco Meraki Cloud Management.

KEY CAPABILITIES & FEATURES

Tri-Band Radio Architecture

- **Wi-Fi 6E (6 GHz):** Unlocks clean, high-bandwidth 6 GHz channels complying with ETSI standards.
- **Simultaneous Tri-Band:** Concurrent 2.4 GHz, 5 GHz, and 6 GHz operations.
- **Aggregate Speed:** Delivers up to 3.9 Gbps total PHY data rate.

Dual Management Mode

- **Meraki Cloud Managed:** Zero-touch provisioning, cloud monitoring, and intuitive management.
- **Catalyst Controller Managed:** High-density operational control via Cisco Catalyst WLC & DNA Center.
- **Flexible Cloud Architecture:** Switch management engine seamlessly without hardware replacement.

Integrated IoT & Location

- **Bluetooth Low Energy (BLE 5.1):** Enables asset tracking and location-aware services.
- **802.15.4 (Zigbee):** Embedded gateway support for smart building sensor deployments.
- **Dedicated Scanning Radio:** Non-stop RF and security threat mitigation.

Security & RF Optimization

- **WPA3 Security:** Enterprise WPA3 encryption across 2.4 GHz, 5 GHz, and 6 GHz bands.
- **Cisco CleanAir Pro:** Next-gen RF interference identification and mitigation.
- **Secure Boot:** Hardware-anchored protection against unauthorized software execution.

HARDWARE SPECIFICATIONS

Parameter	Specification
Model Number	CW9162I-E (European / ETSI Regulatory Domain)
Wireless Standard	IEEE 802.11ax (Wi-Fi 6E), backward compatible with 802.11a/b/g/n/ac
MIMO / Spatial Streams	2x2:2 MU-MIMO on 2.4 GHz, 5 GHz, and 6 GHz radios
Ethernet Uplink	1x 100/1000/2.5G Multigigabit Ethernet (RJ-45)
Control & USB Ports	1x Micro-USB Control Port, 1x USB 3.0 Host Port (ports 4 EMI)

INTERFACE & PHYSICAL OVERVIEW



CW9162I Rear Ports and Interface View

Figure 1: Rear interface configuration featuring Multigigabit Ethernet, Console, USB, and DC Power options.

POWER REQUIREMENTS & OPERATING MODES

Power Source	Functional Level	Operational Notes
802.3at (PoE+)	Full Operational Mode	All 3 radios active (2.4 GHz, 5 GHz, 6 GHz), USB port enabled (4.5W max).
802.3af (PoE)	Reduced Functionality	6 GHz radio disabled or reduced; USB port powered off.
DC Power Input	Full Operational Mode	12V DC auxiliary input connector.

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 Temp.	-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

REGULATORY & REGIONAL COMPLIANCE (-E)

European Regulatory Domain (-E): The CW9162I-E model complies with ETSI (European Telecommunications Standards Institute) regulations for 2.4 GHz, 5 GHz, and the newly allocated 6 GHz (5945–6425 MHz) Wi-Fi 6E spectrum across European Union countries, the UK, and ETSI-adopting regions.