

Cisco Catalyst CW9179F-E

Wi-Fi 7 (802.11be) Outdoor & Ruggedized Enterprise Access Point

TECHNICAL DATASHEET

Product Overview: The Cisco Catalyst CW9179F-E is a high-performance, next-generation Wi-Fi 7 enterprise access point engineered for demanding outdoor, stadium, and industrial environments. Featuring flexible multi-band operation and ultra-high capacity, it delivers reliable high-density connectivity.

KEY ARCHITECTURE & PERFORMANCE FEATURES

WI-FI 7 (802.11BE) STANDARD

Leverages Multi-Link Operation (MLO), 4096-QAM (4K-QAM), and 320 MHz wide channels for ultra-low latency and maximum throughput.

HIGH-DENSITY QUAD-RADIO ARCHITECTURE

Simultaneous tri-band operation across 2.4 GHz, 5 GHz, and 6 GHz bands, plus a dedicated security and RF spectrum management radio.

EXTREME BANDWIDTH & SPEED

Supports aggregate PHY data rates up to 24 Gbps to meet mission-critical, bandwidth-heavy mobile application demands.

RUGGED IP67 ENCLOSURE

Fully sealed, weatherized casing designed to withstand wide temperature ranges, severe weather, dust, and moisture.

HARDWARE SPECIFICATIONS

Model Name	Cisco Catalyst CW9179F-E
Wireless Standards	IEEE 802.11be (Wi-Fi 7), 802.11ax, 802.11ac, 802.11n, 802.11a/b/g
Frequency Bands	Tri-Band: 2.4 GHz, 5 GHz, 6 GHz
MIMO Configuration	Up to 4x4 MU-MIMO with Spatial Streams
Max Channel Width	20 MHz, 40 MHz, 80 MHz, 160 MHz, and 320 MHz
Modulation	Up to 4096-QAM (4K-QAM)
Integrated Radios	Bluetooth Low Energy (BLE 6), Zigbee, & Thread / IoT Radio

INTERFACES & POWER OPTIONS

Ethernet Ports	2x Multigigabit RJ-45 (100M / 1G / 2.5G / 5G / 10G speeds)
Console Interface	1x RJ-45 Serial Console Port
Power Input Options	IEEE 802.3bt (UPOE / Cisco Universal PoE) & IEEE 802.3at (PoE+)
Max Power Draw	~47W (Maximum expected under full multi-radio/10G load)

PHYSICAL & ENVIRONMENTAL ATTRIBUTES

Dimensions (W x D x H)	475 mm x 330 mm x 73 mm (18.7 in. x 13.0 in. x 2.8 in.)
Weight	4.54 kg (10.0 lbs) — Access point unit only
Ingress Protection	IP67 weatherized / waterproof rating
Operating Temperature	-40°C to +65°C (-40°F to +149°F) with solar loading
Mounting Options	Pole mount, wall mount, or structural frame support options

ADVANCED ENTERPRISE CAPABILITIES

- **Flexible Radio Assignment:** Dynamic radio reconfiguration based on real-time client density and RF interference.
- **Cisco Spaces & Location Services:** Integrated BLE/IoT support enables precise indoor/outdoor tracking, asset location, and analytics.
- **Zero-Touch Provisioning:** Cloud or controller-based provisioning via Cisco Catalyst Center (DNA Center) or Meraki Dashboard mode.
- **Advanced Security:** WPA3 enterprise security, Wi-Fi Enhanced Open, Rogue AP detection, and integrated Cisco CleanAir Pro technology.