



# Cisco Catalyst IW9167EH with Integrated Stadium Antenna

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## Cisco Catalyst IW9167E Heavy Duty Access Point with Stadium Antenna

The Cisco Catalyst IW9167EH Heavy Duty Access Point with Stadium Antenna is a Cisco IW9167EH AP integrated with a eight-port 4x4 triband directional panel antenna. The antenna supports Wi-Fi 6E and is designed to achieve low skyward radiation, meeting the FCC's 21-dBm EIRP skyward limit over the UNII-1, UNII-5, and UNII-7 bands. The device includes an integrated GNSS antenna supporting the GPS L1 C/A band for 6-GHz AFC location reporting.

The PIDs for this model are IW9167EH-x-STA, and IW9167EH-x-STA2.

- The Catalyst IW9167EH-x-STA bundle, consisting of the IW9167EH-x AP and IW-ANT-PNL25610-R= antenna, is a factory-assembled bundle for use in outdoor environments. The antenna features a wide horizontal beamwidth at 5 and 6 GHz, providing sector coverage. This model is only available in the -B (US) regulatory domain.
- The Catalyst IW9167EH-x-STA2 bundle, consisting of the IW9167EH-x AP and IW-ANT-PNL25613-R= antenna, is a factory-assembled bundle for use in outdoor environments. The antenna features a narrow, symmetric beamwidth at 5 and 6 GHz, providing extended distance coverage. This model is only available in the -B (US) regulatory domain.

A full listing of the AP's features and specifications is provided in the [Cisco Catalyst IW9167E Heavy Duty Access Point Data Sheet](#).

# Cisco Cisco Catalyst IW9167EH Heavy Duty Access Point with Stadium Antenna Features

Cisco Cisco Catalyst IW9167EH Heavy Duty Access Point with Stadium Antenna is supported on Cisco Catalyst 9800 wireless controller-based products, and has the following features:

- 2 GB DDR4 memory, 1 GB NAND Flash
- Tri-radio, dual band support: 2.4-GHz Slot 0, 5-GHz Slot 1, and 6 GHz Slot 2
- 4 x 4 MIMO with up to four spatial streams
- Built-in GNSS antenna
- 1x TNC jack (female) for an external GNSS antenna (optional)
- Multi-protocol IoT radio, Aux radio, Barometer
- Bluetooth Low Energy (BLE) radio enables IoT use cases such as location tracking and way finding.
- Operation mode—Cisco URWB, WGB, or AP
- 1 x multi-Gigabit (mGig) copper Ethernet port (supporting PoE, including IEEE 802.3at/bt, Cisco UPoE, 100 Mbps/1 Gbps/2.5 Gbps/5 Gbps)
- 1 x SFP interface—supports up to 10 Gbps



**Note** For 10G SFP fiber module, Cisco PID SFP-10G-LR10-I has guaranteed performance with the Catalyst IW9167E access point.

- Optional M12 adapter for network and power interfaces
- Dual power input options—PoE-in and 24–48VDC
- Water and dust resistance—IP 66/67
- Hardened for shock, vibration, and extreme temperatures
- Operating temperature:
  - -40°C to 70°C without solar loading
  - The Catalyst IW9167EH-x-STA, IW9167EH-x-STA2 models are limited to -40°C minimum operating temperature.

## Technical Specifications

The following table lists the specifications for the antenna:

Table 1: Antenna Specifications

Specification	Catalyst IW9167EH-x-STA Bundle	Catalyst IW9167EH-x-STA2 Bundle
Frequency	2400-2482 MHz (Ports 1–4) 5170-5835 MHz (Ports 1–4) 5925-6875 MHz (Ports 5–8)	2400-2482 MHz (Ports 1–4) 5170-5835 MHz (Ports 1–4) 5925-6875 MHz (Ports 5–8)
Polarization	±45° dual slant	±45° dual slant
VSWR	2:1 maximum	2:1 maximum
Port-to-Port Isolation	20 dB minimum between ports of same band	20 dB minimum between ports of same band
Port-to-Port Isolation, 5 to 6 GHz	55 dB minimum	55 dB minimum
Peak Gain	2.4 GHz—8 dBi 5 GHz—9 dBi 6 GHz—10 dBi	2.4 GHz—7 dBi 5 GHz—13 dBi 6 GHz—13 dBi
3-dB Azimuth Beamwidth	2.4 GHz—90 degrees typical 5 GHz—75 degrees typical 6 GHz—75 degrees typical	2.4 GHz—75 degrees typical 5 GHz—35 degrees typical 6 GHz—35 degrees typical
3-dB Elevation Beamwidth	2.4 GHz—45 degrees typical 5 GHz—28 degrees typical 6 GHz—27 degrees typical	2.4 GHz—50 degrees typical 5 GHz—25 degrees typical 6 GHz—25 degrees typical
Dimensions	14.5 in x 14.5 in x 4.7 in 368.3 mm x 368.3 mm x 120.0 mm	14.5 in x 14.5 in x 4.7 in 368.3 mm x 368.3 mm x 120.0 mm
Weight	17.0 lb (7.7 kg)	17.0 lb (7.7 kg)
Operating temperature	-40 to +70°C	-40 to +70°C
Flammability rating	UL 94 V-0	UL 94 V-0
IP rating	IP66 and IP67	IP66 and IP67

Table 2: GNSS Specifications

Specification	Catalyst IW9167EH-x-STA Bundle	Catalyst IW9167EH-x-STA2 Bundle
Frequency	1164-1215 MHz 1559-1610 MHz	1164-1215 MHz 1559-1610 MHz
Polarization	Mixed	Mixed

Specification	Catalyst IW9167EH-x-STA Bundle	Catalyst IW9167EH-x-STA2 Bundle
VSWR	2:1 maximum	2:1 maximum
Maximum Gain	3 dBi	4 dBi