Hardware Features

This chapter describes the hardware features of Cisco Catalyst Wireless 9164I Wi-Fi 6E Access Point and contains the following sections:

Access Point Views, Ports, and Connectors

Cisco Catalyst Wireless 9164I Wi-Fi 6E Access Point has multiple options that you can use to power the AP. For information about connectors and ports for the AP models, see Connectors and Ports on the AP, on page 1.
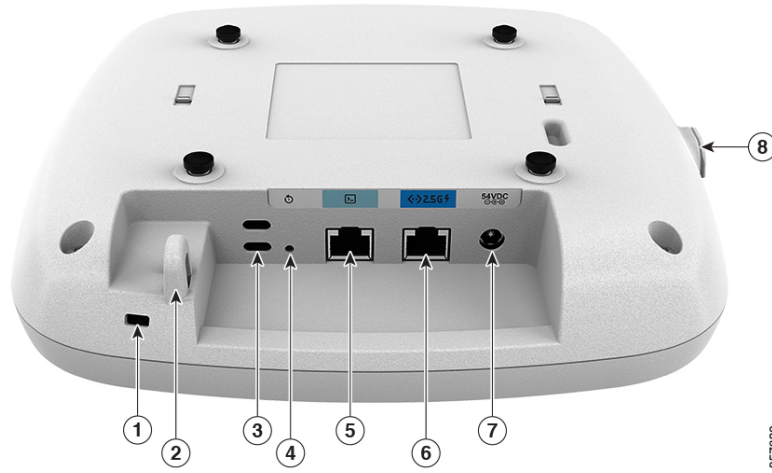
Connectors and Ports on the AP

The following figures show the available ports on the AP:

CW9164I Face View

Figure 1: CW9164I Face View
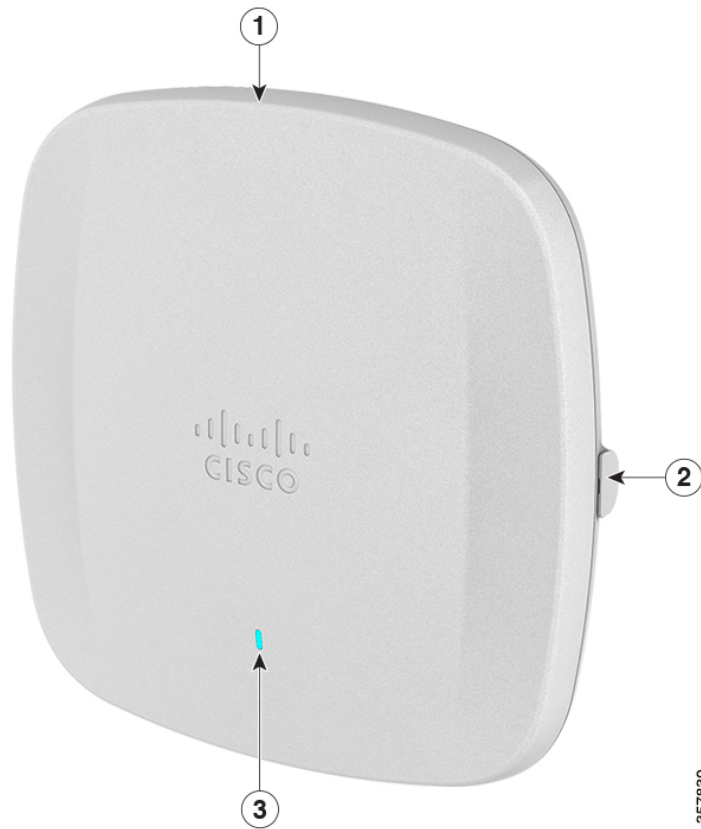
1	Location of the ports and connectors on the head of the AP.
2	USB 2.0 port
3	Status LED
	For information on the LEDs status, see LED Status Indications.

CW9164I Top View

Figure 2: CW9164I Top View with Connectors and Ports

1	Kensington lock slot	5	RJ-45 console port
2	Security hasp for padlocking AP to mounting bracket	6	2.5GbE port
3	Environment Sensor vents	7	DC 54V power input port
4	Mode button For information on how to use the Mode button, see the Using the Mode Button section	8	USB 2.0 port

CW9164I (Internal Antenna) Radiation Patterns

The following illustrations show the CW9164I model with internal antenna radiation patterns:

CW9164I (Internal Antenna) Radiation Patterns

Table 1: Cisco Catalyst 9164I AP Radiataion Patterns

Figure 3: CW9164I - Client-Serving Normalized Radiation Pattern (2.4-GHz Azimuth)

Catalyst 9164I Series Wi-Fi 6E Access Points
2.4 GHz - Azimuth - Client Serving - Normalized

2.4 GHz - Azimuth

Figure 4: CW9164I - Client-Serving Normalized Radiation Pattern (2.4-GHz Elevation)

Catalyst 9164I Series Wi-Fi 6E Access Points
2.4 GHz - Elevation - Client Serving - Normalized
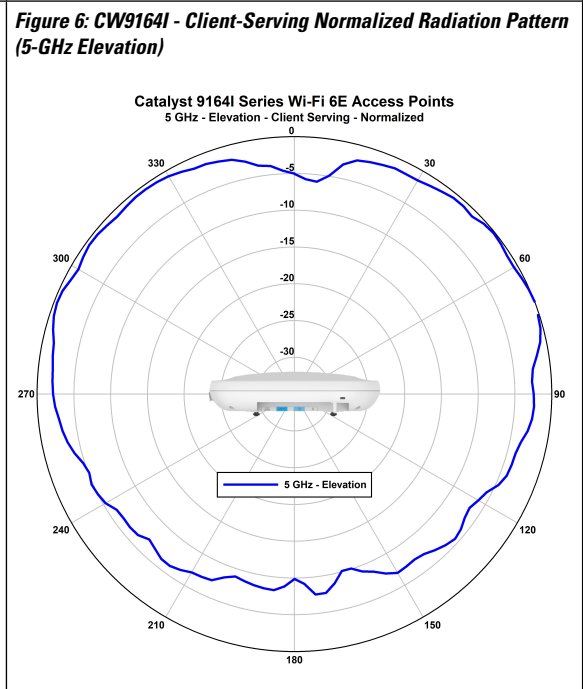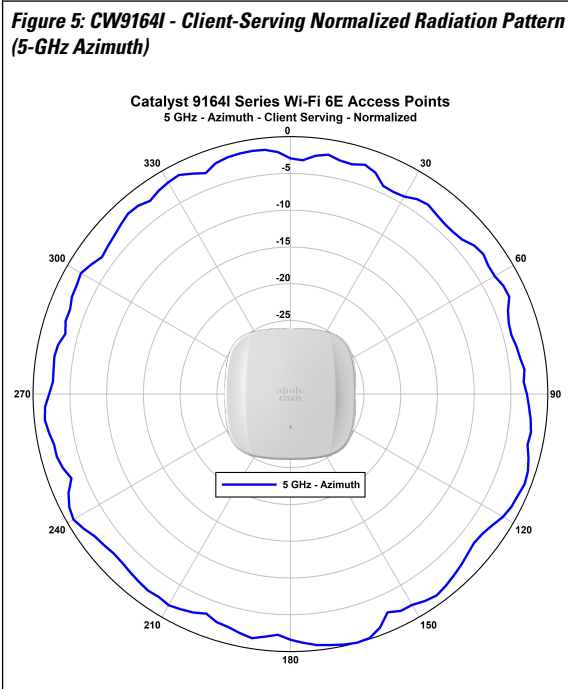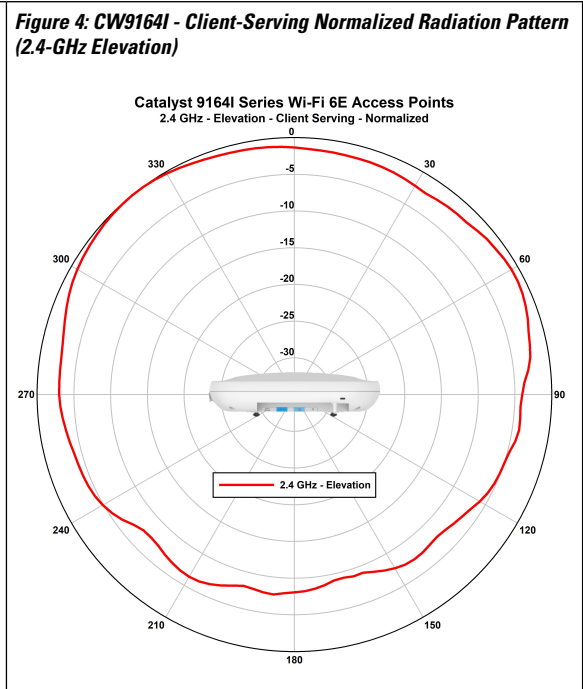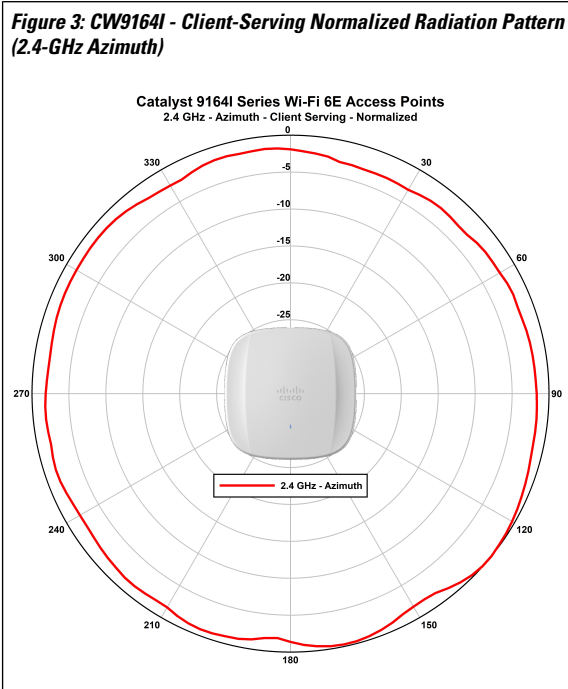
2.4 GHz - Elevation

Figure 5: CW9164I - Client-Serving Normalized Radiation Pattern (5-GHz Azimuth)

Catalyst 9164I Series Wi-Fi 6E Access Points
5 GHz - Azimuth - Client Serving - Normalized

5 GHz - Azimuth

Figure 6: CW9164I - Client-Serving Normalized Radiation Pattern (5-GHz Elevation)

Catalyst 9164I Series Wi-Fi 6E Access Points
5 GHz - Elevation - Client Serving - Normalized

5 GHz - Elevation

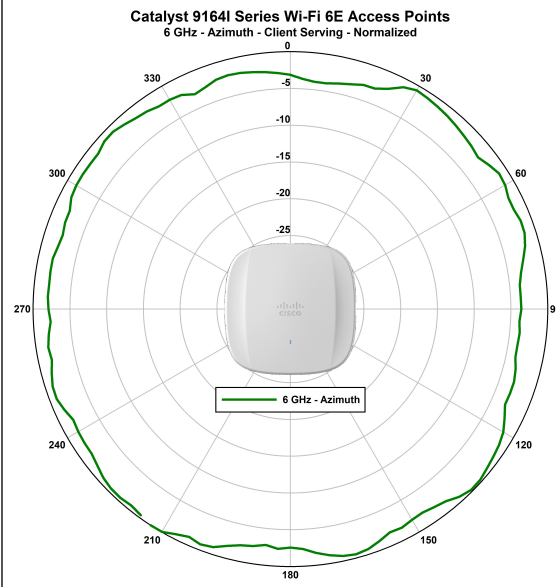*Figure 7: CW9164I - Client-Serving Normalized Radiation Pattern (6-GHz Azimuth)*

Catalyst 9164I Series Wi-Fi 6E Access Points
6 GHz - Azimuth - Client Serving - Normalized

6 GHz - Azimuth

Figure 8: CW9164I - Client-Serving Normalized Radiation Pattern (6-GHz Elevation)

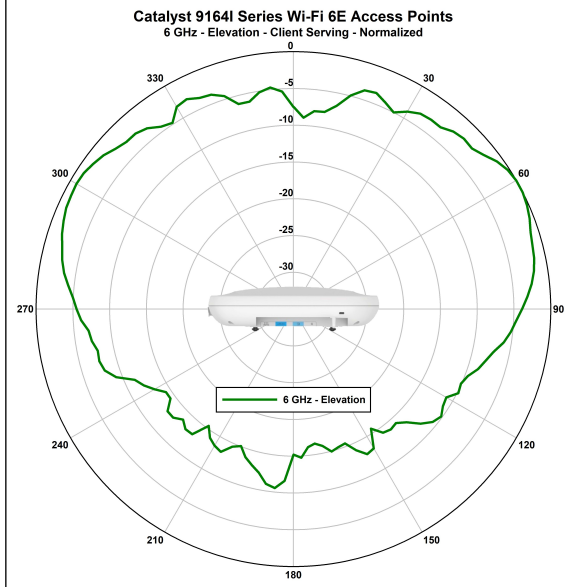Catalyst 9164I Series Wi-Fi 6E Access Points
6 GHz - Elevation - Client Serving - Normalized

6 GHz - Elevation

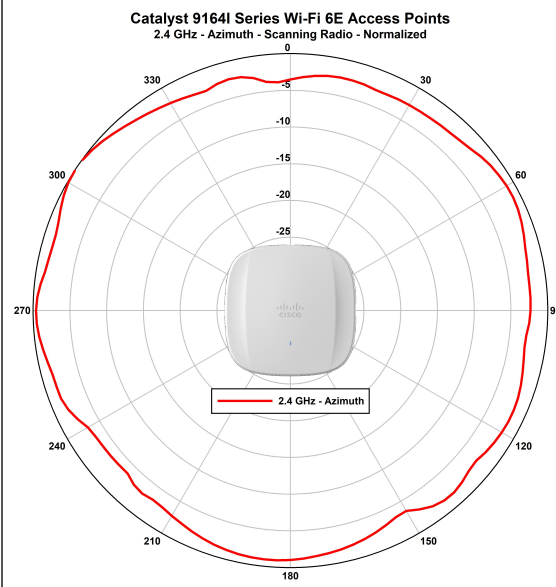*Figure 9: CW9164I - Scanning Radio-Normalized Radiation Pattern (2.4-GHz Azimuth)*

Catalyst 9164I Series Wi-Fi 6E Access Points
2.4 GHz - Azimuth - Scanning Radio - Normalized

2.4 GHz - Azimuth

Figure 10: CW9164I - Scanning Radio-Normalized Radiation Pattern (2.4-GHz Elevation)

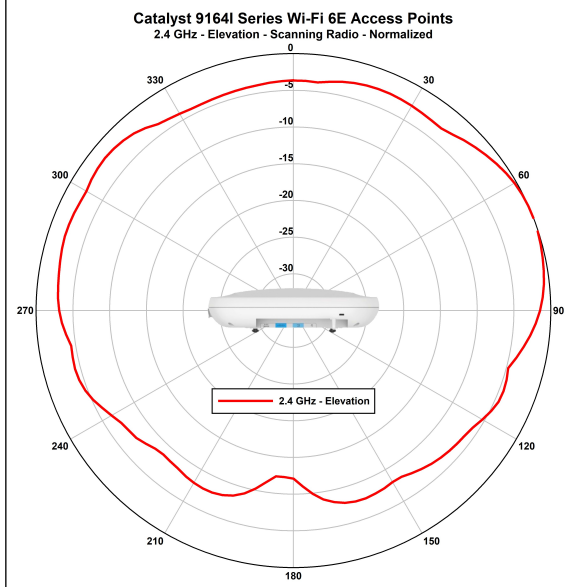Catalyst 9164I Series Wi-Fi 6E Access Points
2.4 GHz - Elevation - Scanning Radio - Normalized

2.4 GHz - Elevation

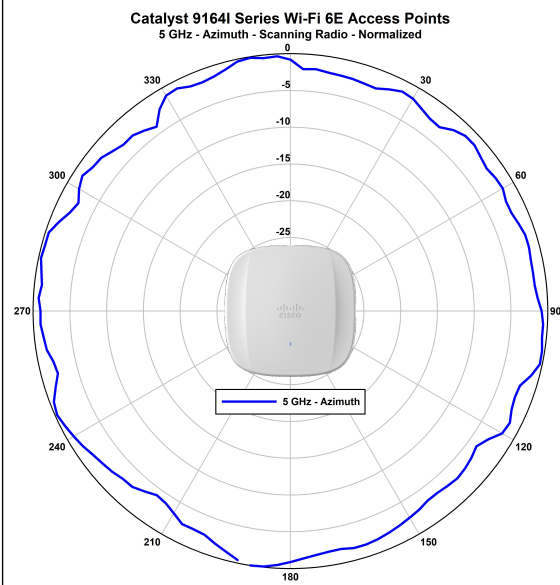*Figure 11: CW9164I - Scanning Radio-Normalized Radiation Pattern (5-GHz Azimuth)*

Catalyst 9164I Series Wi-Fi 6E Access Points
5 GHz - Azimuth - Scanning Radio - Normalized

Figure 12: CW9164I - Scanning Radio-Normalized Radiation Pattern (5-GHz Elevation)

Catalyst 9164I Series Wi-Fi 6E Access Points
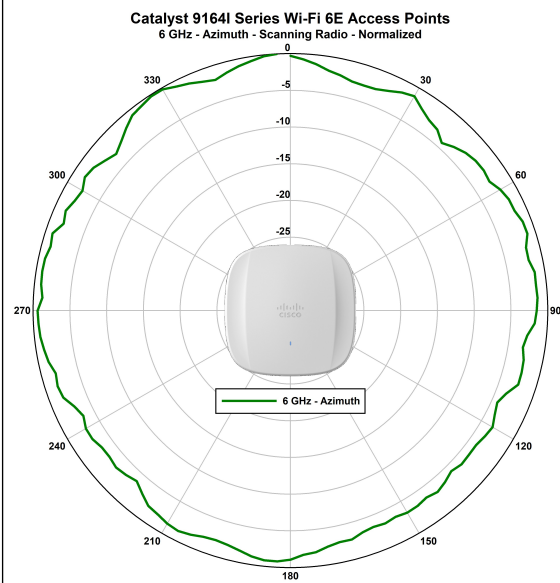5 GHz - Elevation - Scanning Radio - Normalized
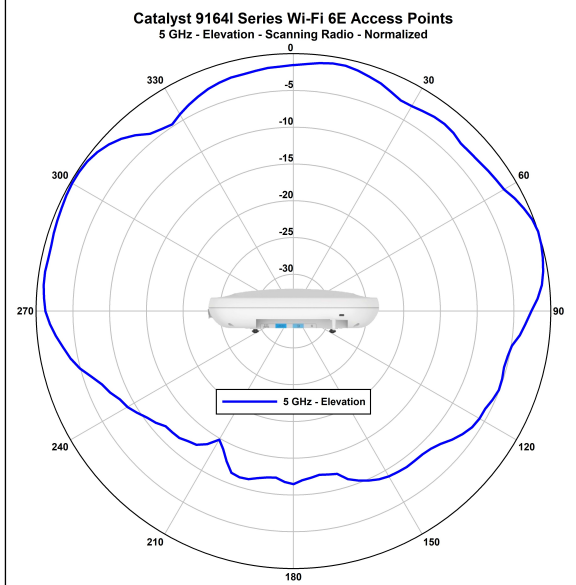
Figure 13: CW9164I - Scanning Radio-Normalized Radiation Pattern (6-GHz Azimuth)

Catalyst 9164I Series Wi-Fi 6E Access Points
6 GHz - Azimuth - Scanning Radio - Normalized

Figure 14: CW9164I - Scanning Radio-Normalized Radiation Pattern (6-GHz Elevation)

Catalyst 9164I Series Wi-Fi 6E Access Points
6 GHz - Elevation - Scanning Radio - Normalized
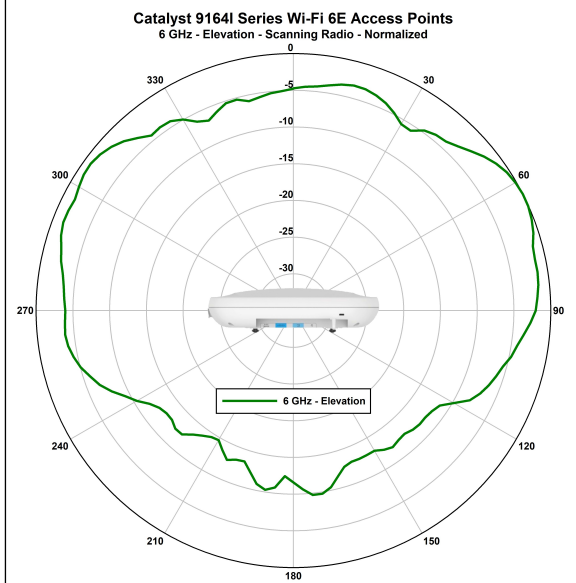
Figure 15: CW9164I - IoT (BLE) Antenna-Normalized Radiation Pattern (2.4-GHz Azimuth)

Catalyst 9164I Series Wi-Fi 6E Access Points
2.4 GHz - Azimuth - IoT Radio - Normalized
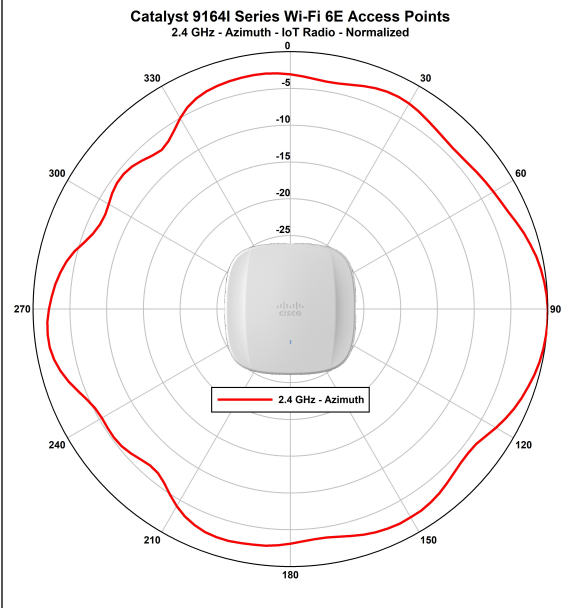

2.4 GHz - Azimuth

Figure 16: CW9164I - IoT (BLE) Antenna-Normalized Radiation Pattern (2.4-GHz Elevation)

Catalyst 9164I Series Wi-Fi 6E Access Points
2.4 GHz - Elevation - IoT Radio - Normalized

2.4 GHz - Elevation

CW9164I (Internal Antenna) Radiation Patterns