

Hardware Features

This chapter describes the hardware features of Cisco Catalyst Wireless 9166D1 Wi-Fi 6E Access Point and contains the following sections:

- Access Point Views, Ports, and Connectors, on page 1
- CW9166D1 (Integrated Directional Antenna) Radiation Patterns, on page 3

Access Point Views, Ports, and Connectors

Cisco Catalyst Wireless 9166D1 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.

Environment Sensors

The AP has inbuilt environment sensors that work with Cisco Spaces. There are two visible vents at the top of the AP. The sensors measure the following environment parameters:

- Ambient air temperature sensor
- Air quality sensor (Total Volatile Organic Compounds [TVOC])
- · Relative humidity sensor
- Accelerometer



Note

For more information on how to configure the AP sensor in Cisco Spaces, see the AP as a Sensor section of the Cisco Spaces: IoT Services Configuration Guide.

Connectors and Ports on the AP

The following figures show the available ports on the AP:

CW9166D1 Face View

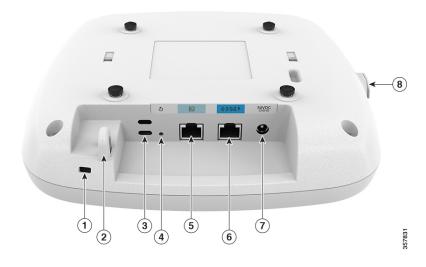
Figure 1: CW9166D1 Face View



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.	

CW9166D1 Top View

Figure 2: CW9166D1 Top View with Connectors and Ports

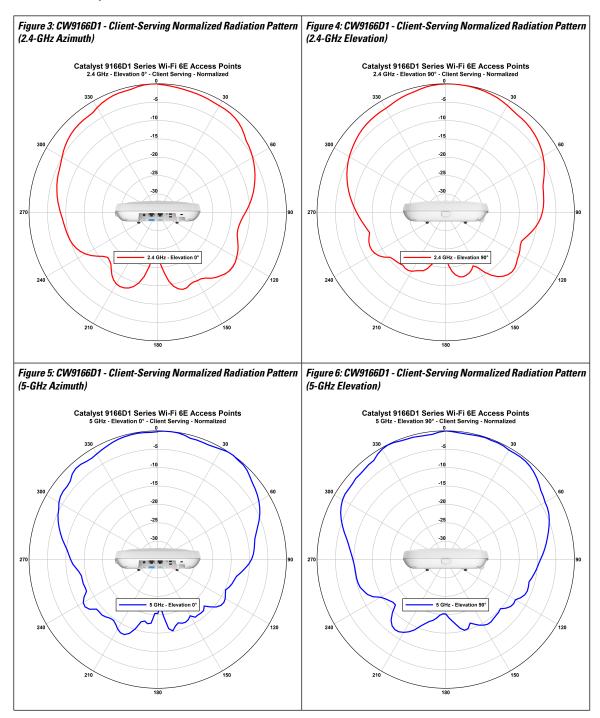


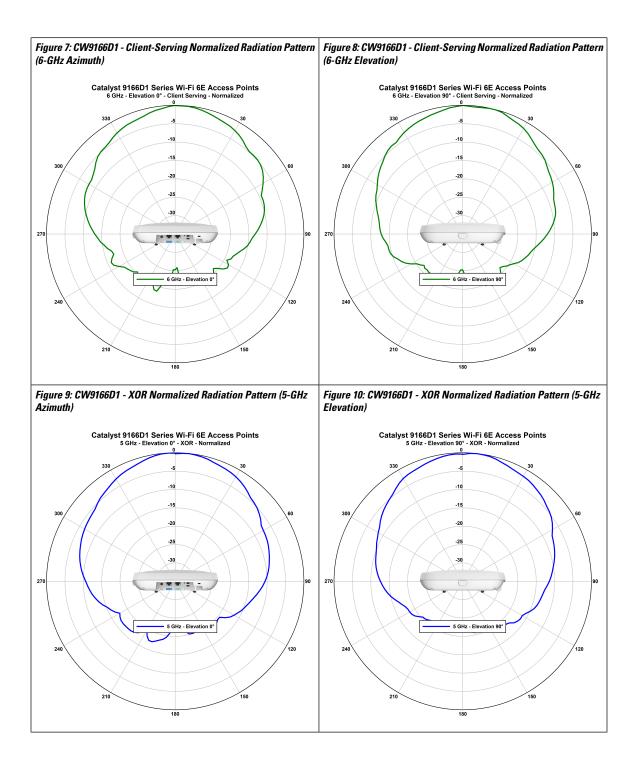
1	Kensington lock slot	5	RJ-45 console port
			Default baud rate is 115200.
2	Security hasp for padlocking AP to mounting bracket	6	5GbE port
3	Environment Sensor vents	7	DC 54V power input port
4	Mode button	8	USB 2.0 port
	For information on how to use the Mode button, see the Using the Mode Button section		

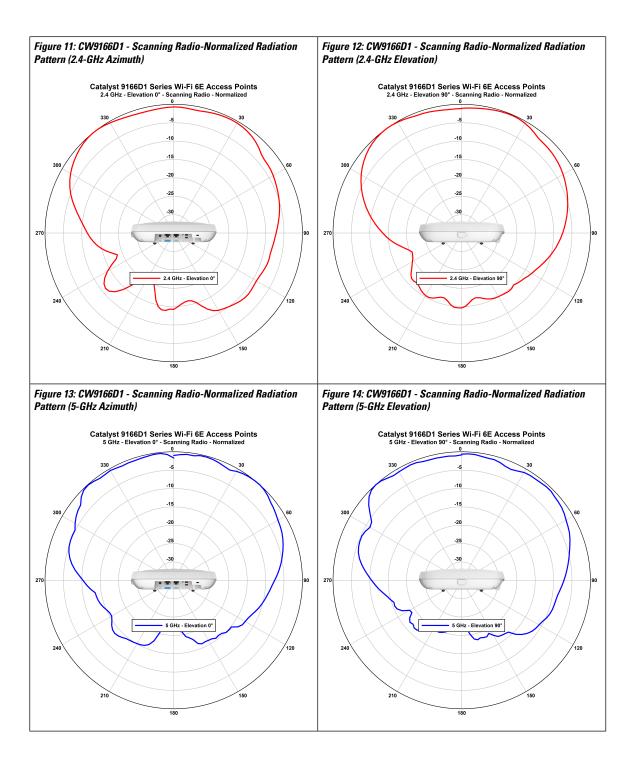
CW9166D1 (Integrated Directional Antenna) Radiation Patterns

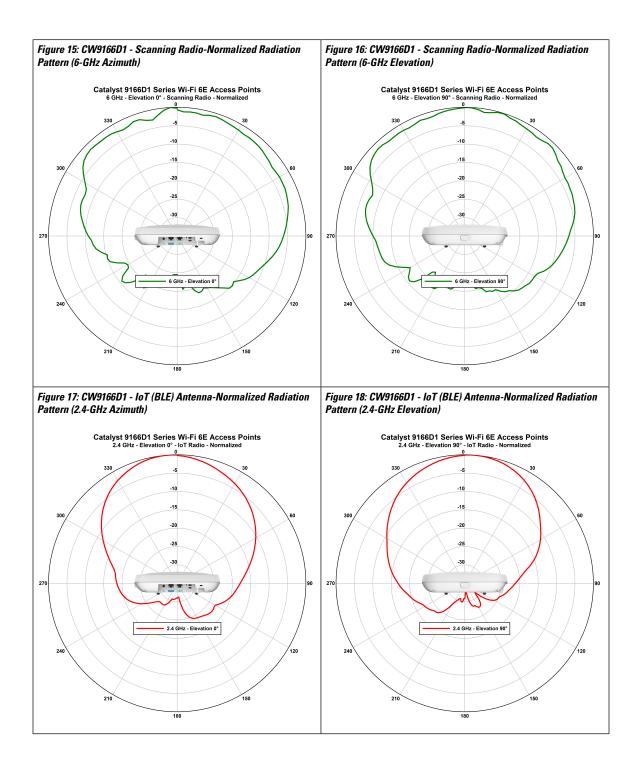
The following illustrations show the CW9166D1 model with internal antenna radiation patterns:

Table 1: Cisco Catalyst CW9166D1 AP Radiation Patterns









CW9166D1 (Integrated Directional Antenna) Radiation Patterns