WLAN Product Description

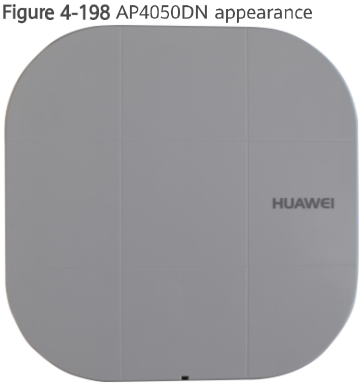
Hardware Information (AP4050DN)

Appearance

NOTE

The actual device appearance may slightly differ from the following device appearance, but these differences will not affect device functions.

Figure 4-198 AP4050DN appearance



Ports

Figure 4-199 AP4050DN ports

As shown in Figure 4-199, each port can be described as follows:

1. Default: Restores factory settings and restarts the device when you hold down the button more than 3 seconds.
2. CONSOLE: Connects to a maintenance terminal for AP configuration and management.
3. GE/PoE_IN:10/100/1000M port that connects to the wired Ethernet and supports PoE input.
4. DC 12V: Connects a 12 V power adapter to the AP.
5. Security slot: Connects to a security lock.

Table 4-100 Description about the single indicator

Indicator	Name	Color	Status	Description
Indicator	-	Green	Steady on	Default status after power-on. The AP is just powered on and the software is not started yet.
	-	Green	Steady on after blinking once	Software startup status. After the system is reset and starts uploading the software, the indicator blinks green once. Until the software is uploaded and started, the indicator remains steady green.
	-	Green	Blinking once every 2s (0.5 Hz)	Running status. • The system is running properly, the Ethernet connection is normal, and STAs are associated with the AP. • The system enters the Uboot CLI.
			Blinking once every 5s (0.2 Hz)	Running status. The system is running properly, the Ethernet connection is normal, and no STA is associated with the AP. The system is in low power consumption state.
	-	Green	Blinking once every 0.25s (4 Hz)	Alarm. • The software is being upgraded. • After the software is loaded and started, the AP requests to go online if it works in Fit AP or cloud-based management mode. The indicator remains in this state before the AP successfully goes online. • The AP works in Fit AP or cloud-based management mode and fails to go online.
	-	Red	Steady on	Fault. A fault that affects services has occurred, such as a DRAM detection failure or system software loading failure. The fault cannot be automatically rectified and must be rectified manually.

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Physical specifications	Dimensions (H x W x D)	55 mm x 170 mm x 170 mm
	Weight	0.41 kg
	System memory	256 MB DDR3L
	FLASH	64 MB NOR FLASH
Power specifications	Power input	• DC: 12 V ± 10% • PoE power supply: in compliance with IEEE 802.3af/at
	Maximum power consumption	12.1 W NOTE: The actual maximum power consumption depends on local laws and regulations.
Environment specifications	Operating temperature	• -60 m to +1800 m: -10°C to +50°C • 1800 m to 5000 m: Temperature decreases by 1°C every time the altitude increases 300 m.
	Storage temperature	-40°C to +70°C
	Operating humidity	5% to 95% (non-condensing)
	IP rating	IP41
	Atmospheric pressure	53 kPa to 106 kPa

Radio Specifications

Table 4-102 Radio specifications

Item	Description
Antenna type	Built-in omnidirectional dual-band antenna
Antenna gain	• 2.4 GHz: 5 dBi • 5 GHz: 5 dBi
Maximum number of users	Fit AP: ≤ 512 Fat AP: ≤ 512 Cloud AP: ≤ 512 NOTE: The actual number of users varies according to the environment.
Maximum	16

Maximum transmit power	• 2.4 GHz: 23 dBm (combined power) • 5 GHz: 23 dBm (combined power) NOTE: The actual transmit power depends on local laws and regulations.		
Maximum number of non-overlapping channels	2.4 GHz (2.412 GHz to 2.472 GHz) • 802.11b/g ▪ 20 MHz: 3 • 802.11n ▪ 20 MHz: 3 ▪ 40 MHz: 1	5 GHz (5.18 GHz to 5.825 GHz) • 802.11a ▪ 20 MHz: 13 • 802.11n ▪ 20 MHz: 13 ▪ 40 MHz: 6 • 802.11ac ▪ 20 MHz: 13 ▪ 40 MHz: 6 ▪ 80 MHz: 3	NOTE: The table uses the number of non-overlapping channels supported by China as an example. The number of non-overlapping channels varies in different countries. For details, see the *Country Codes & Channels Compliance*.
Channel rate supported	• 802.11b: 1, 2, 5.5, and 11 Mbit/s • 802.11a/g: 6, 9, 12, 18, 24, 36, 48, and 54 Mbit/s • 802.11n: 6.5 to 400 Mbit/s • 802.11ac: 6.5 to 867 Mbit/s		

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