

AP263

Overview

Table 3-56 Basic information about the AP263

Item	Details
Description	AP263(11ax indoor,2+2 dual bands,smart antenna,USB,BLE)
Part Number	50084981
Model	AP263
First supported version	V200R021C01

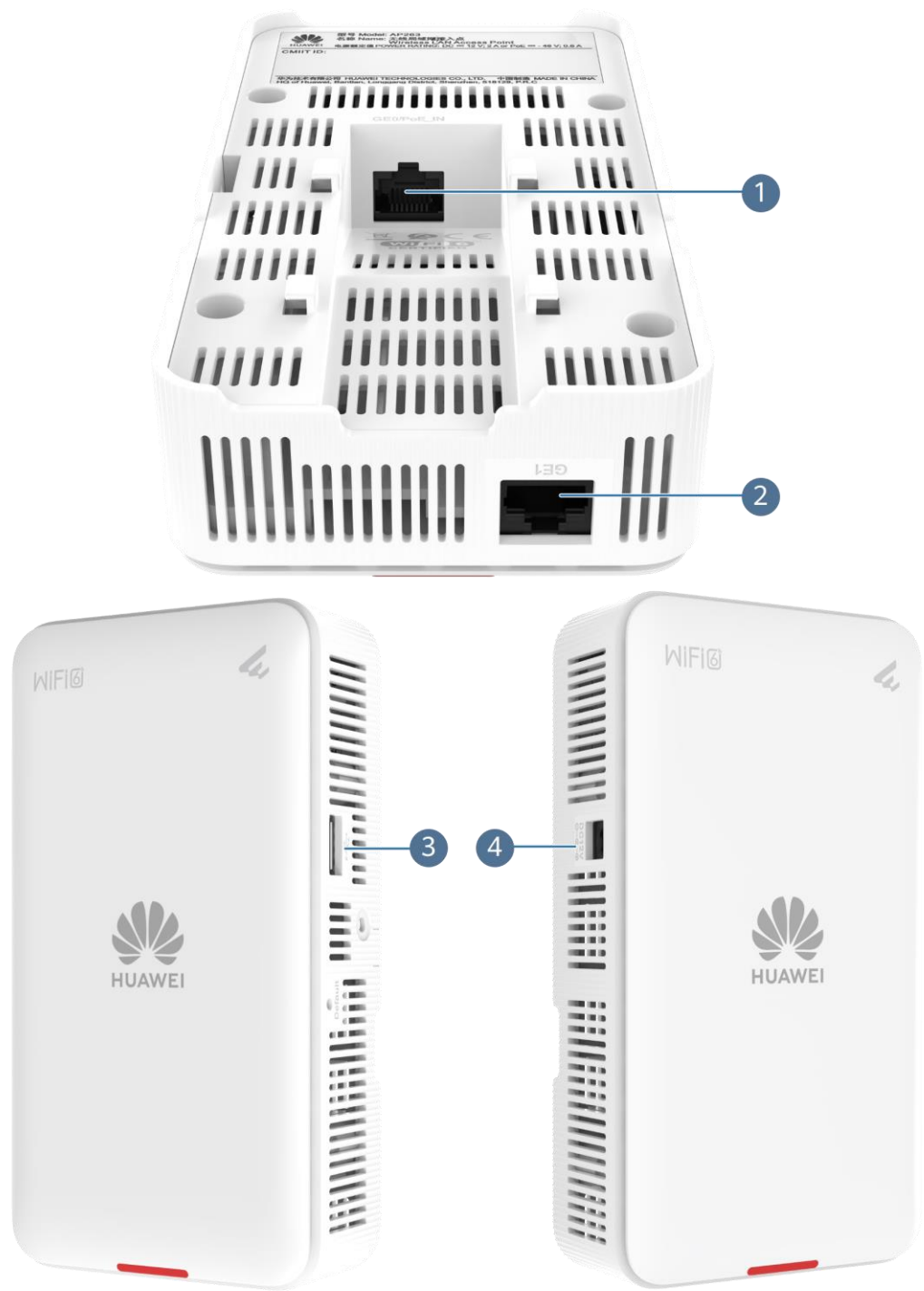
Appearance

Figure 3-34 Appearance of the AP263



Ports

Figure 3-35 Ports on the AP263



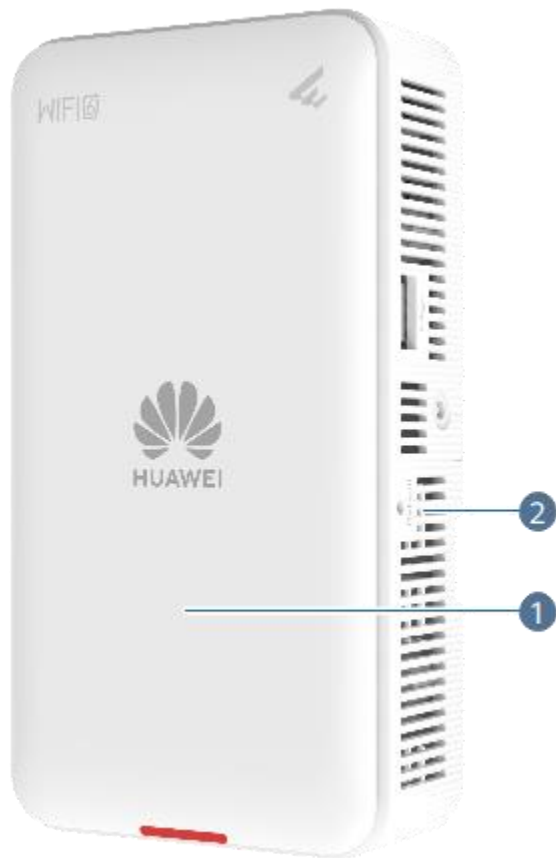
1	GE0/PoE_IN	2	GE1
3	USB	4	DC 12V

Table 3-57 Ports on the AP263

Port	Connector Type	Description	Available Components
GE0/PoE_IN	RJ45	10/100/1000M auto-sensing Ethernet electrical port that connects to the wired Ethernet and supports PoE input.	Network cable
GE1	RJ45	Ethernet electrical port that supports 10/100/1000M auto-sensing and connects to the wired Ethernet	Network cable
DC 12V	DC connector	Connects to a 12 V power adapter.	12 V DC power adapter
USB	USB 2.0 Type A	Connects to an IoT terminal to implement IoT applications.	IoT module

Indicators and Buttons

Figure 3-36 Indicators and buttons on the AP263



The indicator is located inside the panel, which turns on after the AP is powered on.

1	Indicator	2	Default
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Table 3-58 Indicators on the AP263

Silkscreen	Name	Color	Status	Description
-	System 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.

Silkscreen	Name	Color	Status	Description
				After the system is reset and starts uploading the software, the indicator blinks white once. Until the software is uploaded and started, the indicator remains steady white.
		Green	Slow blinking (0.5 Hz)	The AP is running properly, the Ethernet connection is normal, and STAs are associated with the AP. This state is supported in V200R022C00 and later versions.
		Green	Slow blinking (0.2 Hz)	The AP is running properly, and the Ethernet connection is normal. For V200R022C00 and later versions, this state also indicates that no STA is associated with the AP.
		Green	Blinking once every 0.25s (4 Hz)	Alarm.

Silkscreen	Name	Color	Status	Description
				<ul style="list-style-type: none"> 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	<p>Fault.</p> <p>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.</p>

Table 3-59 Buttons on the AP263

Silkscreen	Name	Description
Default	Reset button	<ul style="list-style-type: none"> For versions earlier than V200R021C11, hold down the button for more than 3 seconds to restore the factory settings and restart the device. For V200R021C11 and later versions, if you press the button, the device resets; if you hold down the button for more than 6 seconds, the device restores the factory settings, switches to the Fit mode, and restarts.

Technical Specifications

Table 3-60 Technical specifications of the AP263

Item	Specification
Installation Type	<ul style="list-style-type: none"> Desk Wall Ceiling Junction Box
Dimensions without packaging (H x W x D) [mm(in.)]	160 mm x 86 mm x 38 mm (6.30 in. x 3.39 in. x 1.50 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	75 mm x 205 mm x 115 mm (2.95 in. x 8.07 in. x 4.53 in.)
Weight without packaging [kg(lb)]	0.320 kg (0.705 lb)
Weight with packaging [kg(lb)]	0.542 kg (1.195 lb)
Storage	NAND Flash 256 MB

Item	Specification
Console port	BLE console
Maximum power consumption [W]	12 W
Maximum heat dissipation [BTU/hour]	41 BTU/hour
Power supply mode	<ul style="list-style-type: none"> • DC adapter • PoE
Rated input voltage [V]	12 V
Input voltage range [V]	12±10% PoE: 802.3at/af
Service port surge protection	PoE port: Differential mode (48 V-RTN): 0.5 kV (1.2/50 us, 42 ohms), criterion B Common mode (8 wires to ground): 6 kV (1.2/50 us, 42 ohms), criterion B
Maximum number of physical ports on the entire device	GE (RJ45) x 2, 10M/100M/1000M auto-sensing
Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°F) (If the altitude is in the range of 1800 m to 5000 m, the temperature decreases by 1°C or 1.8°F every time the altitude increases by 300 m.)
Storage temperature [°C(°F)]	–40°C to +70°C (–40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH
Long-term operating altitude [m(ft.)]	–60 m to +5000 m (–196.85 ft to +16404.20 ft)
Atmospheric pressure [kPa]	53kPa - 106kPa ETSI 300 019-2-3
Ground	floating ground

Item	Specification
USB	USB 2.0 (supporting 5 W power supply)
BLE	BLE5.0
Radio number	2
Operating frequency band	<ul style="list-style-type: none"> 2.4GHz 5GHz
MIMO spatial streams	Radio 0 (2.4 GHz): 2x2 Radio 1 (5 GHz): 2x2
Wi-Fi standard	2.4G: 802.11b/g/n/ax 5G: 802.11a/n/ac/ac Wave 2/ax
Radio interface	Built-in smart antennas
Antenna gain	2.4G: 2 dBi/chain (peak value) 1 dBi (combined gain) 5G: 3 dBi/chain (peak value) 1 dBi (combined gain) BLE: 4 dBi
Maximum transmit power	2.4G: 20 dBm/chain 23 dBm (combined power) 5G: 20 dBm/chain 23 dBm (combined power) BLE: < 10 dBm
Singal radio transmit power [dBm]	2.4G: -10 dBm to 20 dBm/chain 5G: -10 dBm to 20 dBm/chain
MTBF [year]	69.7 year
MTTR [hour]	0.5 hour

Item	Specification
Frequency stability [ppm]	+/-20
802.3at power supply description	No function is limited.
802.3af power supply description	The USB function is unavailable.
DC power supply description	No function is limited.