4.3 AP673 (50087291)

Overview

Table 4-11 Basic information about the AP673

Item	Details
Description	AP673(11be indoor,2+2+4 tri bands,smart antenna,USB)
Part Number	50087291
Model	AP673
First supported version	V600R024C00

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Appearance

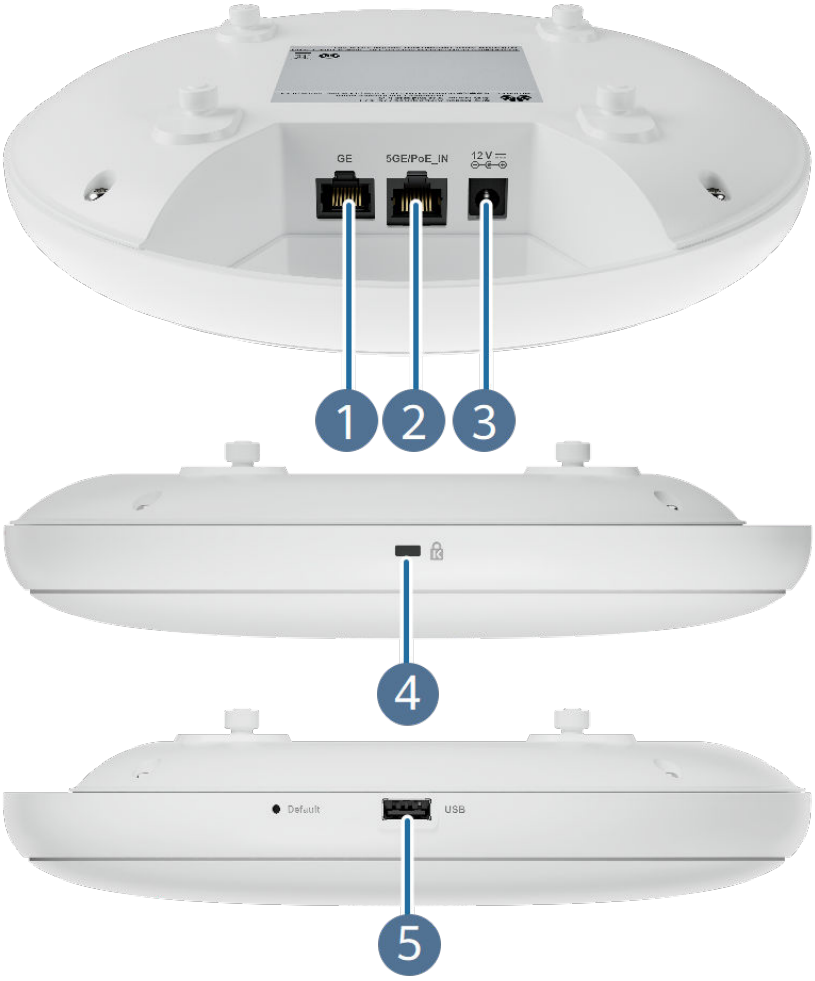
Figure 4-7 Appearance of the AP673



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Ports

Figure 4-8 Ports on the AP673



1	GE	2	5GE/PoE_IN
3	DC 12V	4	Security slot
5	USB	-	-

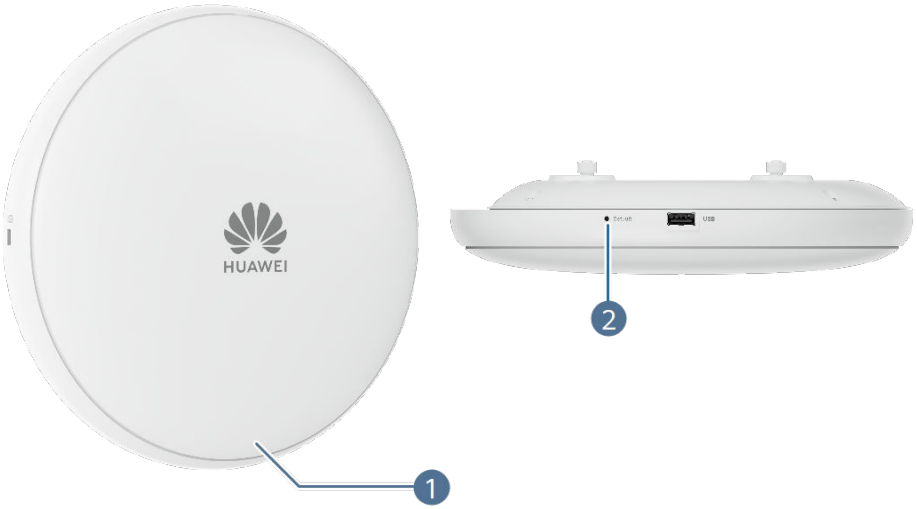
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Table 4-12 Ports on the AP673

Port	Connector Type	Description	Available Components
5GE/PoE_IN	RJ45	Ethernet electrical port that supports 100M/1000M/ 2.5G/5G auto-sensing, connects to the wired Ethernet, and supports PoE input.	Network cable
GE	RJ45	Ethernet electrical port that supports 10M/100M/ 1000M auto-sensing and connects to the wired Ethernet.	Network cable
DC 12V	DC connector	Connects to a 12 V power adapter.	12 V power adapter
USB	USB Type A	Provides 2.5 W or 5 W power supply.	-

Indicators and Buttons

Figure 4-9 Indicators and buttons on the AP673



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

1	Indicator	2	Default

Table 4-13 Indicators on the AP673

Silkscreen	Name	Color	Status	Description
-	System indicator	-	Off	The system is not running.
		Green	Steady on	• The system is just powered on. • The system is starting after a reset. • The upper-layer system is starting.
		Green	Slow blinking (0.5 Hz)	The AP is running properly, the Ethernet connection is normal, and STAs are associated with the AP.
		Green	Slow blinking (0.2 Hz)	The AP is running properly, the Ethernet connection is normal, and no STA is associated with the AP.

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Silkscreen	Name	Color	Status	Description
		Green	Blinking once every 0.25s (4 Hz)	• The bottom-layer system is being started. • The software is being upgraded. • After the software is loaded and started, the AP requests to go online in Fit or cloud management mode. The indicator remains in this state till the AP successfully goes online.
		Yellow (blinking red and green at the same time, causing color deviation)	Blinking once every 0.25s (4 Hz)	Hold down the Default button for more than 6 seconds to restore the factory settings. This function is supported in V600R024C10.

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Silkscreen	Name	Color	Status	Description
		Red	Blinking once every 0.25s (4 Hz)	Hold down the Default button for more than 6 seconds to restore the factory settings. This function is supported in V600R25C00 or later.
		Red	Steady on	The system is faulty.

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Table 4-14 Buttons on the AP673

Silkscreen	Name	Description
Default	Reset button	• For V600R024C00: 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. • For V600R024C10: If you press the button, the device resets. If you hold down the button for more than 6 seconds, the indicator blinks yellow (blinking red and green fast at the same time, causing color deviation), and the device restores the factory settings, switches to the Fit mode, and restarts. • For V600R025C00 and later versions: If you press the button, the device resets. If you hold down the button for more than 6 seconds, the indicator blinks red fast and the device restores the factory settings, switches to the Fit mode, and restarts.

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Technical Specifications

Table 4-15 Technical specifications of the AP673

Item	Specification
Installation Type	• Wall • Ceiling (Solid Wall/Gypsum Board/ Spring Tee/Flat-Edge T-Rail/Channel Rail/Beam/Threaded Rod) • Junction Box (86 mm/1-Gang 120 mm/Octagonal/2-Gang 120 mm)
Dimensions without packaging (H x W x D) [mm(in.)]	Diameter x depth: 220 mm x 45 mm (8.66 in. x 1.77 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	72 mm x 260 mm x 255 mm (2.83 in. x 10.24 in. x 10.04 in.)
Weight without packaging [kg(lb)]	0.745 kg (1.64 lb)
Weight with packaging [kg(lb)]	1.230 kg (2.71 lb)
Storage	NAND Flash 512 MB
Console port	None
Maximum power consumption [W]	21.1 W (excluding USB)
Maximum heat dissipation [BTU/hour]	66 BTU/hour
Power supply mode	• PoE • DC power adapter
Rated input voltage [V]	12 V
Input voltage range [V]	DC: 12 V ± 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): 4 kV (1.2/50 us, 42 ohms), criterion B
PoE OUT	Not supported
Maximum number of physical ports on the entire device	5GE (RJ45) x 1, 100M/1000M/2500M/ 5000M auto-sensing GE (RJ45) x 1, 10M/100M/1000M auto-sensing

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Item	Specification
Long-term operating temperature [°C(°F)]	–10°C to +50°C (14°F to 122°F) (From 1800 m to 5000 m [5905.51 ft. to 16404.20 ft.], the maximum ambient temperature decreases by 1°C [1.8°F] for every 300 m [984.25 ft.] increase in altitude.)
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 (non-condensing)
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
USB	Supplies power of 2.5 W or 5 W.
IoT slot	Not supported
BLE	Not supported
Radio number	3
Operating frequency band	• 2.4GHz • 5GHz • 6GHz
MIMO spatial streams	Radio 0 (2.4 GHz): 2x2 Radio 1 (5 GHz): 2x2 Radio 2 (6 GHz): 4x4
Wi-Fi standard	2.4 GHz: 802.11b/g/n/ax/be 5 GHz: 802.11a/n/ac/ac Wave 2/ax/be 6 GHz: 802.11a/ax/be
Radio interface	Built-in smart antennas
Antenna gain	2.4 GHz: 4 dBi/chain (peak gain) 2 dBi (combined gain) 5 GHz: 5 dBi/chain (peak gain) 3 dBi (combined gain) 6 GHz: 5 dBi/chain (peak gain) 3 dBi (combined gain)

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Item	Specification
Maximum transmit power	2.4 GHz: 20 dBm/chain 23 dBm (combined power) 5 GHz (2x2): 20 dBm/chain 23 dBm (combined power) 6 GHz (4x4): 20 dBm/chain 26 dBm (combined power)
Single radio transmit power [dBm]	2.4 GHz: –10 dBm to +20 dBm/chain 5 GHz: –10 dBm to +20 dBm/chain 6 GHz: –10 dBm to +20 dBm/chain
MTBF [year]	110.878 year
MTTR [hour]	2 hour
Frequency stability [ppm]	+/-20
802.3bt power supply description	When the power supply mode is negotiated to 802.3at: When the USB port is not in use or the USB port works at the 2.5 W output power, no function is restricted. When the USB port works at the 5 W output power, the maximum transmit power of radios 0, 1, and 2 all decreases by 3 dB and other functions are not restricted.
802.3at power supply description	When the power supply mode is negotiated to 802.3at: When the USB port is not in use or the USB port works at the 2.5 W output power, no function is restricted. When the USB port works at the 5 W output power, the maximum transmit power of radios 0, 1, and 2 all decreases by 3 dB and other functions are not restricted.

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