



Huawei AP271H-P

BE3600 Wi-Fi 7 Dual-Band 1GE PoE+ Multi Port Wall Plate AP ·
Specification summary



Huawei description	Wall plate AP Wi-Fi 7 3.57 Gbps device rate Dual-radio 80 access users recommended Max. 256 access users 23 dBm transmit power 5 x GE electrical ports Smart antenna 20 m optimal coverage range
Part number	50089773 / 50089773-001
Huawei category	WLAN / AP200 Series
Installation Type	Wall,Ceiling (Gypsum Board),Junction Box (86 mm/1-Gang 120 mm/Octagonal)
Dimensions without packaging (H x W x D) [mm(in.)]	185 mm x 86 mm x 45 mm (7.28 in. x 3.39 in. x 1.77 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	73 mm x 244 mm x 118 mm (2.87 in. x 9.61 in. x 4.65 in.)
Weight without packaging [kg(lb)]	0.412 kg (0.91 lb)
Weight with packaging [kg(lb)]	0.66 kg (1.46 lb)
CPU	2-core, 900 MHz
Memory	DDR4 512 MB
Power supply mode	PoE,DC power adapter
Storage	NAND Flash 256 MB
Rated input voltage [V]	DC: 48 V
Input voltage range [V]	DC: 48 V to 57.6 V; PoE: 802.3bt/at/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
Maximum PoE output power [W]	The GE3 and GE4 ports support PoE output, with each port supporting the maximum output power of 15.4 W and a maximum transmission distance of 20 m.
Maximum number of physical ports on the entire device	GE (RJ45) x 5, 10M/100M/1000M auto-sensing; 2.5GE (RJ45) x 1, 100M/1000M/2500M auto-sensing

Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°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	Supports 2.5 W or 9 W power supply.
Radio number	2
MIMO spatial streams	Radio 0 (2.4 GHz): 2x2; Radio 1 (5 GHz): 2x2
Wi-Fi standard	2.4 GHz: 802.11b/g/n/ax/be; 5 GHz: 802.11a/n/ac/ac Wave 2/ax/be
Radio interface	Built-in smart antennas
Antenna gain	2.4 GHz: 5 dBi/chain (peak gain); 2 dBi (combined gain); 5 GHz: 6 dBi/chain (peak gain); 3 dBi (combined gain); BLE: 4 dBi (peak value)
Maximum transmit power	2.4 GHz: 20 dBm/chain; 23 dBm (combined power); 5 GHz: 20 dBm/chain; 23 dBm (combined power); BLE: < 10 dBm
MTBF [year]	143.90
MTTR [hour]	2
Maximum power consumption [W]	15.9 (excluding USB and PoE OUT)
Maximum heat dissipation [BTU/hour]	51.5
802.3bt power supply description	At the power supply level of 802.3bt Class 8: 802.3af PoE OUT is supported on GE3 and GE4, with a total power supply capability of 32 W, and no function is restricted.; At the power supply level of 802.3bt Class 6: When the USB function is not in use, 802.3af PoE OUT is supported on GE3 and GE4, with a total power supply capability of 32 W, and other functions are not restricted.; At the power supply level of 802.3bt Class 6: When the USB function is in use, 802.3af PoE OUT is supported on GE3 and GE4, with a total power supply capability of 26 W, and other functions are not restricted.; The USB port is unavailable currently and will be supported through software upgrade in the future.
802.3at power supply description	When the power supply mode is negotiated to 802.3at, either the USB or PoE OUT (a total of 8 W power output at GE3 and GE4; single-port PoE OUT is recommended) function is available at the same time.; The USB port is unavailable currently and will be supported through software upgrade in the future.
802.3af power supply description	The power supply mode is negotiated to 802.3af.; The USB and PoE OUT functions are not supported.; The uplink 2.5GE electrical port is degraded to GE, and the uplink GE4 electrical port is shut down.; The maximum transmit power of radio 0 and radio 1 decreases by 3 dBm. The maximum radio bandwidth is 20M on the 2.4 GHz frequency band and 80M on the 5 GHz frequency band.

DC power supply description	No function is limited.
Operating frequency band	2.4GHz,5GHz
Frequency stability [ppm]	+/-20
PoE OUT	Supported
Maximum channel bandwidth [MHz]	Radio 0 (2.4 GHz): 40 MHz; Radio 1 (5 GHz): 160 MHz

Specifications are summarised from the manufacturer's published information (checked 2026-10-27). They describe the cited version only. Confirm the exact model, suffix and supplied revision before ordering. ISD confirms supply, price, availability and warranty separately.

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