

50086816

Huawei eKitEngine AP160 WiFi 6 Wall Plate 86 x 86 Access Point

Product Overview

Huawei eKitEngine AP160 WiFi 6 Wall Plate 86 x 86 Access Point, 8 mm Ultra thin panel, 2.4GHz (2x2 MIMO), 5GHz (2x2 MIMO), Up to 1.775 Gbps Throughput Max, 575 Mbps @ 2.4GHz, 1.2 Gbps @ 5GHz



Specifications

Overview:

Huawei eKitEngine AP160 is a Wi Fi 6 (802.11ax) wall plate 86x86 access point AP with an 8 mm ultra thin panel. It provides services simultaneously on the 2.4 GHz (2x2 MIMO) and 5 GHz (2x2 MIMO) frequency bands, achieving a maximum device rate of 1.775 Gbps. This AP features high bandwidth, high concurrency, and compact size, facilitating flexible deployment and saving customer investment. It is ideal for indoor coverage scenarios such as enterprise workplaces, commercial real estates, and budget chain hotels.

- As the latest Wi Fi standard defined in IEEE 802.11, 802.11ax improves the user access capacity and bandwidth in high density access scenarios, reducing service latency and enhancing user experience.
- 802.11ax supports multi user multiple input multiple output (MU MIMO) on both the 2.4 GHz and 5 GHz frequency bands, allowing an AP to transmit data to and receive data from multiple STAs simultaneously and multiplying the utilization of radio spectrum resources.
- 802.11ax supports 1024 quadrature amplitude modulation (QAM), improving data transmission efficiency by 25% compared with 802.11ac (supporting 256 QAM).
- Orthogonal frequency division multiple access (OFDMA) technology enables the AP to transmit data to multiple STAs at the same time using different subcarriers, reducing latency and improving network efficiency.
- Spatial reuse (SR) technology uses basic service set (BSS) coloring to enable APs and STAs to distinguish overlapping BSSs, minimizing co channel interference.

Benefits:

- Dual radio mode: 2.4 GHz (2x2) + 5 GHz (2x2), providing a maximum rate of 575 Mbps and 1.2 Gbps, respectively, and a rate of up to 1.775 Gbps for the device. 1 x GE uplink electrical port + 1 x GE downlink electrical port.
- International 86 mm x 86 mm size: easy AP installation on an exposed or embedded junction box (86 mm x 86 mm) with a minimum depth of 35 mm.
- Ultra thin panel: 8 mm, slotting seamlessly into the power socket.
- Built in smart antenna: automatically adjusts the coverage direction and signal strength based on the intelligent switchover algorithm. Such capability enables the AP to flexibly adapt to the application environment changes, providing accurate and stable coverage as STAs move. Users can enjoy full signal strength when moving around in the coverage space without any

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Product Specification Sheet

network disconnection or interruption.

- Working modes: Fit, Fat, and cloud management.
- Deployment and O&M through the HUAWEI eKit app.

Specifications:

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Specifications

Product Code	50086816
Dimensions (H x W x D)	86 mm x 86 mm x 42.5 mm
Weight	0.14 kg
Port type	2 x 10M/100M/1GE electrical ports
	Note - The uplink GE electrical port supports PoE input.
LED indicator	Indicates the power-on, startup, running, alarm, and fault states of the system.
Power input	PoE power supply: in compliance with IEEE 802.3af
Maximum power consumption	9.1 W
	Note The actual maximum power consumption depends on local laws and regulations.
Operating temperature	0 degreesC to 40 degreesC (If the altitude is in the range of 1800 m to 5000 m, the temperature decreases by 1 degreesC every time the altitude increases by 300 m.)
Storage temperature	-40 degreesC to +70 degreesC
Operating humidity	5% to 95% (non-condensing)
Altitude	-60 m to +5000 m
Atmospheric pressure	53 kPa to 106 kPa
Antenna type	Built-in smart antennas
Antenna gain	2.4 GHz: 3 dBi
	5 GHz: 2 dBi
	Note 1. The preceding gain is the peak gain of a single antenna.
	2. Equivalent antenna gain after all 2.4 GHz or 5 GHz antennas are combined: 3 dBi for 2.4 GHz and 1 dBi for 5 GHz.
Maximum quantity of SSIDs on each radio	<=6
Device capacity	<= 128
	Note The actual number of users varies according to the environment.
Maximum transmit power	2.4 GHz: 20 dBm (combined power)
	5 GHz: 20 dBm (combined power)
	Note The actual transmit power depends on local laws and regulations.
Power adjustment increment	1 dBm

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Product Specification Sheet

Maximum number of non-overlapping channels	2.4 GHz (2.412 GHz to 2.472 GHz)
	802.11b/g - 20 MHz: 3
	802.11n

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: <https://www.comx-computers.co.za/50086816-Huawei-eKitEngine-AP160-WiFi-6-Wall-Plate-Buy-p-321950.php>

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PDF generated: 2026-10-18 14:47:28.

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