Overview

Huawei AirEngine 5760-22W is a wall plate access point (AP) in compliance with the Wi-Fi 6 standard. With mounting brackets, the AP can be easily adapted to junction boxes (86/118/120 mm) and wall-mounting scenarios. The AP uses built-in smart antennas to ensure always-on Wi-Fi signals for users, significantly enhancing users' wireless network experience. The AP provides uplink optical and electrical ports, allowing customers to select different deployment modes and saving customers' investment. These strengths make the AP ideal for scenarios with high-density rooms such as hotel guest rooms, dormitory rooms, and hospital wards.

Quick Specification

Table 1 shows the quick specification.

Model	AirEngine 5760-22W
Part Number	02353KBE
Description	AirEngine5760-22W (11ax indoor, 2+4 dual bands, smart antenna, USB, BLE, PSE)
Dimensions without packaging	170 mm x 86 mm x 74 mm (6.69 in. x 3.39 in. x 2.91 in.)
Weight without packaging	0.70 kg (1.54 lb)
Maximum power consumption	25.29 (excluding USB and PoE OUT ports)
Maximum heat dissipation	86.3 (without USB and PoE OUT)

Figure 1 shows the appearance of AirEngine 5760-22W.

Get More Information

Do you have any question about the AirEngine 5760-22W (02353KBE)?

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Specification

AirEngine 5760-22W Datasheet	
Model	AirEngine 5760-22W
Part Number	02353KBE
Description	AirEngine5760-22W (11ax indoor, 2+4 dual bands, smart antenna, USB, BLE, PSE)
Installation Type	Wall, Junction Box
Dimensions without packaging (H x W x D) [mm(in.)]	170 mm x 86 mm x 74 mm (6.69 in. x 3.39 in. x 2.91 in.)
Weight without packaging [kg(lb)]	0.70 kg (1.54 lb)
Storage	NAND Flash 512 MB; NOR Flash 16 MB
Console port	BLE console
Maximum power consumption [W]	25.29 (excluding USB and PoE OUT ports)
Maximum heat dissipation [BTU/hour]	86.3 (without USB and PoE OUT)
Power supply mode	PoE, DC power adapter
Rated input voltage [V]	48 V
Input voltage range [V]	DC: 43.2 V to 57.6 V PoE: 802.3bt/at
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
PoE	Supported
Maximum PoE output power [W]	13.6 W (When the maximum transmission distance through a CAT5E Ethernet cable is 40 m, the port can connect to an 802.3af-compliant PD requiring power of less than 12.95 W.)
Maximum number of physical ports on the entire device	2.5GE (RJ45) x 1, 10M/100M/1000M/2.5GE auto-sensing GE (RJ45) x 4, 10M/100M/1000M auto-sensing 10GE optical port (SFP+), GE/10GE 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 temperature of the device 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	USB 2.0
IoT slot	IoT extension by USB
BLE	BLE5.0
Radio number	2
Operating frequency band	2.4GHz,5GHz
MIMO spatial streams	Radio 0 (2.4 GHz): 2x2, maximum bandwidth of 40 MHz Radio 1 (5 GHz): 4x4, maximum bandwidth 160 MHz
Wi-Fi standard	2.4 GHz: 802.11b/g/n/ax 5 GHz: 802.11a/n/ac/ac Wave 2/ax
Radio interface	Built-in smart antennas
Antenna gain	2.4 GHz: 4 dBi 5 GHz: 5 dBi BLE: 4 dBi
Maximum transmit power	2.4 GHz: 23 dBm 5 GHz: 26 dBm (Note: This is the total MIMO radio power, the same as: 2.4 GHz: 20 dBm/chain 5 GHz: 20 dBm/chain) BLE: < 10 dBm
MTBF [year]	37
MTTR [hour]	0.5
Frequency stability [ppm]	+/-20
802.3bt power supply description	Wi-Fi: - If no optical port is used, Wi-Fi is not restricted. - If optical ports are used, Wi-Fi supports only the 2.4 GHz (2x2, 20 MHz bandwidth) + 5 GHz (2x2, 80 MHz bandwidth) working mode, and the radio transmit power is not affected. Wired network port: The 2.5GE electrical port and SFP+ optical port work as combo ports. When one of them is working, the other is unavailable. The four downlink ports are all available. Other ports: not restricted
802.3at power supply description	Wi-Fi: - If the USB and PoE out ports are not used and only the 2.5GE electrical port is used as the uplink port, Wi-Fi supports the 2.4 GHz (2x2, 20 MHz bandwidth) + 5 GHz (4x4, 80 MHz bandwidth) working mode, and the radio transmit power is not affected. - If an optical port or the 2.5 W USB port is used, Wi-Fi supports only the 2.4 GHz

(2x2, 20 MHz bandwidth) + 5 GHz (2x2, 80 MHz bandwidth) working mode, and the radio transmit power is not affected.

Wired network port: The 2.5GE electrical port and SFP+ optical port work as combo ports. When one of them is working, the other is unavailable. The four downlink ports are all available.

Other ports: Only the 2.5 W USB port is supported. The 5 W USB port and PoE OUT port are unavailable.

802.3af power supply description	The 802.3af power supply is not supported.
DC power supply description	Wi-Fi: - If no optical port is used, Wi-Fi is not restricted. - If optical ports are used, Wi-Fi supports only the 2.4 GHz (2x2, 20 MHz bandwidth) + 5 GHz (2x2, 80 MHz bandwidth) working mode, and the radio transmit power is not affected. Wired network port: not restricted Other ports: not restricted

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