

## Overview

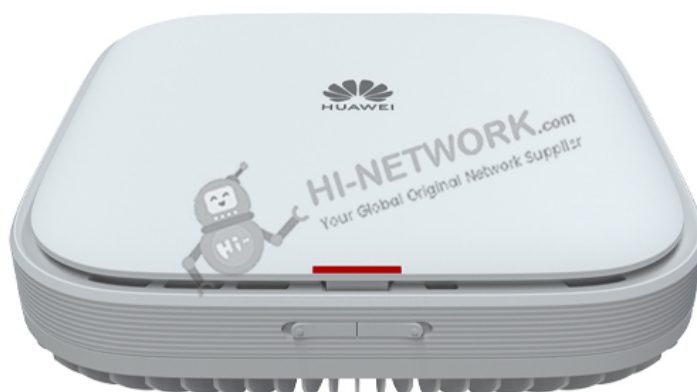
Huawei AirEngine 6760-X1 is an indoor access point (AP) in compliance with the Wi-Fi 6 (802.11ax) standard. The AP uses built-in smart antennas to ensure always-on Wi-Fi signals for users, significantly enhancing users' wireless network experience. It provides uplink optical and electrical ports, allowing customers to select different deployment modes and saving customers' investment. These strengths make the AP ideal for scenarios such as enterprise office and education.

## Quick Specification

Table 1 shows the quick specification.

Model	AirEngine 6760-X1
Part Number	02353GSJ, 02353GSJ-001
Description	AirEngine6760-X1 (11ax indoor, 4+6 dual bands, smart antenna, USB, IoT Slot, BLE, Optional RTU upgrade to 4+8/4+4+4+6+Scan)
Dimensions without packaging	61 mm x 220 mm x 220 mm (2.40 in. x 8.66 in. x 8.66 in.)
Weight without packaging	1.85 kg (4.08 lb)
Maximum power consumption	39.9 W (excluding USB and IoT cards)
Maximum heat dissipation	136.1 BTU/hour (without USB or IoT card)

Figure 1 shows the appearance of AirEngine 6760-X1.





## Get More Information

Do you have any question about the AirEngine 6760-X1 (02353GSJ, 02353GSJ-001)?

Contact us now via [info@hi-network.com](mailto:info@hi-network.com).

## Specification

AirEngine 6760-X1 Datasheet	
Model	AirEngine 6760-X1
Part Number	02353GSJ, 02353GSJ-001
Description	AirEngine6760-X1 (11ax indoor, 4+6 dual bands, smart antenna, USB, IoT Slot, BLE, Optional RTU upgrade to 4+8/4+4+4/4+6+Scan)
Installation Type	Wall,Ceiling,T-Rail
Dimensions without packaging (H x W x D) [mm(in.)]	61 mm x 220 mm x 220 mm (2.40 in. x 8.66 in. x 8.66 in.)
Weight without packaging [kg(lb)]	1.85 kg (4.08 lb)
Storage	NAND Flash 512 MB; NOR Flash 16 MB
Console port	BLE console
Maximum power consumption [W]	39.9 (excluding USB and IoT cards)
Maximum heat dissipation [BTU/hour]	136.1 (without USB or IoT card)
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
Maximum number of physical ports on the entire device	10GE (RJ45) x 1, 10M/100M/1000M/2.5GE/5GE/10GE auto-sensing GE (RJ45) x 1, 10M/100M/1000M auto-sensing 10GE optical port (SFP+), GE/10GE auto-sensing
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 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	Grounding
USB	USB 2.0
IoT slot	IoT card
BLE	BLE5.2
Radio number	2/3
Operating frequency band	2.4GHz,5GHz
MIMO spatial streams	<p>Triple-radio mode:</p> <ul style="list-style-type: none"> <li>- Radio 0 (2.4 GHz): 4x4, maximum bandwidth of 40 MHz</li> <li>- Radio 1 (5 GHz): 4x4 (high frequency band: 5490–5850 MHz), maximum bandwidth of 80 MHz</li> <li>- Radio 2 (5 GHz): 4x4 (low frequency band: 5150–5330 MHz), maximum bandwidth 160 MHz</li> </ul> <p>Dual-radio mode:</p> <ul style="list-style-type: none"> <li>- Radio 0 (2.4 GHz): 4x4, maximum bandwidth of 40 MHz</li> <li>- Radio 1 (5 GHz): 8x8, maximum bandwidth 160 MHz</li> </ul>
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: 4.5 dBi 5 GHz: 6 dBi BLE: 4 dBi
Maximum transmit power	2.4 GHz: 26 dBm 5 GHz: 29 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]	74
MTTR [hour]	0.5
Frequency stability [ppm]	+/-20
802.3bt power supply description	<p>In 802.3bt Class 8 power supply mode:</p> <ul style="list-style-type: none"> <li>- If an RTU license is loaded, no function is restricted.</li> <li>- If no RTU license is loaded, Wi-Fi works in 2.4 GHz (4x4) + 5 GHz (6x6) mode and other functions are not restricted.</li> </ul> <p>In 802.3bt Class 6 power supply mode:</p> <ul style="list-style-type: none"> <li>- With an RTU license loaded:</li> </ul> <p>Wi-Fi: If the USB and IoT card slots are not used, the number of spatial streams and transmit power are not affected. If they are used, the number of spatial streams, transmit power, and bandwidth may be affected. For details, contact the product manager.</p>





Wired network port: not restricted

Other ports: The USB port and IoT card slot are available. If they are used, the number of spatial streams, transmit power, and bandwidth may be affected. For details, contact the product manager.

- Without an RTU license loaded:

Wi-Fi: 2.4 GHz (4x4) + 5 GHz (6x6). The radio transmit power is not affected. If the USB port and IoT card slot are used, the radio working bandwidth may be affected. For details, contact the product manager.

Wired network port: not restricted

Other ports: The USB port and IoT card slot are available. If they are used, the radio working bandwidth may be affected. For details, contact the product manager.

802.3at power supply description

With an RTU license loaded:

Wi-Fi:

If the USB and IoT card slots are not used, the radio transmit power is not affected.

- Dual-radio mode: 2.4 GHz (2x2) + 5 GHz (4x4)

- Triple-radio mode: 2.4 GHz (2x2) + 5 GHz (2x2, high band) + 5 GHz (2x2, low band)

- Dual-radio + independent radio scanning mode: 2.4 GHz (2x2) + 5 GHz (2x2) + 5 GHz independent radio scanning

If the USB and IoT card slot are both used, the number of spatial streams, transmit power, and bandwidth may be affected. For details, contact the product manager.

Wired network port:

The speed of the 10GE electrical port is reduced to GE or lower. The 10GE electrical port and SFP+ optical port are combo ports, and only one of them is available at the same time. (In V200R021C10 and later versions, the GE electrical port is also available in standard dual-radio mode.)

Other ports:

Either the 2.5 W USB port or IoT card slot can be used at the same time. The IoT card slot takes precedence. If both of them are used, Wi-Fi can only work in 2.4 GHz (2x2) + 5 GHz (2x2) mode. For details, contact the product manager.

Without an RTU license loaded:

Wi-Fi:

- If no USB or IoT card slot is used, Wi-Fi can work only in 2.4 GHz (2x2) + 5 GHz (4x4) mode, and the radio transmit power is not affected.

- If the USB and IoT card slot are both used, the number of spatial streams, transmit power, and bandwidth may be affected. For details, contact the product manager.

Other ports:

Either the 2.5 W USB port or IoT card slot can be used at the same time. The IoT card slot takes precedence. If both of them are used, Wi-Fi can only work in 2.4 GHz (2x2) + 5 GHz (2x2) mode. For details, contact the product





	manager.
DC power supply description	If an RTU license is loaded, no function is restricted. If no RTU license is loaded, Wi-Fi works in 2.4 GHz (4x4) + 5 GHz (6x6) mode and other functions are not restricted.

## Want to Buy

[Get a Quote](#)



[Learn More](#) about Hi-Network



[Search](#) our Resource Library



[Follow](#) us on LinkedIn



Contact for [Sales or Support](#)

## Contact HI-NETWORK.COM For Global Fast Shipping

HongKong Office Tel: +00852-66181601

HangZhou Office Tel: +0086-571-86729517

Email: [info@hi-network.com](mailto:info@hi-network.com)

Skype: [echo.hinetwork](https://www.skype.com/add?contact=echo.hinetwork)

WhatsApp Business: +8618057156223

