



Overview

Huawei AirEngine 6760R-51 is an outdoor AP in compliance with the Wi-Fi 6 standard. It stands out with excellent outdoor coverage performance, IP68 waterproof and dustproof design, and strong surge protection capability. The AP provides uplink optical and electrical ports, allowing customers to select different deployment modes and saving customers' investment. These strengths make AirEngine 6760R-51 ideal for high-density scenarios such as stadiums, squares, pedestrian streets, and amusement parks.

Quick Specification

Table 1 shows the quick specification.

Model	AirEngine 6760R-51
Part Number	02353KCM, 02353KCM-001
Description	AirEngine6760R-51 (11ax outdoor, 4+4 dual bands, smart antenna, BLE)
Dimensions with packaging	160 mm x 490 mm x 390 mm (6.30 in. x 19.29 in. x 15.35 in.)
Weight with packaging	5 kg (11.02 lb)
Maximum power consumption	35.3 W
Maximum heat dissipation	120.4 BTU/hour

Figure 1 shows the appearance of AirEngine 6760R-51.





Get More Information

Do you have any question about the AirEngine 6760R-51 (02353KCM, 02353KCM-001)?

Contact us now via info@hi-network.com.

Specification

AirEngine 6760R-51 Datasheet	
Model	AirEngine 6760R-51
Part Number	02353KCM, 02353KCM-001
Description	AirEngine6760R-51 (11ax outdoor, 4+4 dual bands, smart antenna, BLE)
Installation Type	Wall,Pole
Dimensions without packaging (H x W x D) [mm(in.)]	85 mm x 270 mm x 220 mm (3.35 in. x 10.63 in. x 8.66 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	160 mm x 490 mm x 390 mm (6.30 in. x 19.29 in. x 15.35 in.)
Weight without packaging [kg(lb)]	3 kg (6.61 lb)
Weight with packaging [kg(lb)]	5 kg (11.02 lb)
Storage	NAND Flash 512 MB; NOR Flash 16 MB
Console port	BLE console
Maximum power consumption [W]	35.3
Maximum heat dissipation [BTU/hour]	120.4
Power supply mode	PoE
Input voltage range [V]	PoE: 802.3bt/at
Service port surge protection	6 kA in common mode
Maximum number of physical ports on the entire device	5GE (RJ45) x 1, 10M/100M/1000M/2.5GE/5GE 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)]	-40°C to +65°C (-40°F to +149°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 +85°C (-40°F to +185°F)
Long-term operating relative humidity [RH]	0% RH to 100% RH
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
Ingress protection level (dustproof/waterproof)	IP68





Ground	Grounding
Wind resistance	67 m/s
USB	Not supported
IoT slot	Not supported
BLE	BLE5.2
Radio number	2
Operating frequency band	2.4GHz,5GHz
MIMO spatial streams	Radio 0 (2.4 GHz): 4x4 Radio 1 (5 GHz): 4x4
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 directional antennas
Antenna gain	2.4G: 10 dBi 5G: 11 dBi BLE: 5 dBi
Beamwidth of the built-in antenna [degrees]	2.4 GHz: - Horizontal plane: 60° - Vertical plane: 40° 5 GHz: - Horizontal plane: 60° - Vertical plane: 20°
Maximum transmit power	2.4 GHz: 30 dBm 5 GHz: 30 dBm (Note: This is the total MIMO radio power, the same as: 2.4 GHz: 24 dBm/chain 5 GHz: 24 dBm/chain) BLE: < 10 dBm
MTBF [year]	91.9
MTTR [hour]	0.5
Frequency stability [ppm]	+/-20
802.3bt power supply description	No function is limited.
802.3at power supply description	Wi-Fi: 2.4 GHz (2x2) + 5 GHz (2x2), without affecting the transmit power of radios; Wired network port: The rate of the 5GE electrical port is reduced to GE or lower. The 5GE electrical port and the SFP+ optical port work as combo ports, and when one of them is working, the other is unavailable. The GE electrical port is unavailable.





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