

AirEngine-6760R-51 Datasheet



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Overview

AirEngine 6760R-51 and AirEngine 6760R-51E are Huawei's Wi-Fi 6 (802.11ax) outdoor access points (APs). They support 2.4 GHz (4x4) + 5 GHz (4x4) radios, achieving a maximum rate of 5.95 Gbps. These outdoor APs stand out with excellent outdoor coverage performance, IP68 waterproof and dustproof design, and strong surge protection capability. AirEngine 6760R-51 and AirEngine 6760R-51E provide uplink optical and electrical ports, allowing customers to select different deployment modes and saving customers' investment. These strengths make Huawei's Wi-Fi 6 outdoor APs ideal for high-density scenarios such as stadiums, squares, pedestrian streets, and amusement parks.



Quick Spec

Table 1 shows the Quick Specs.

Model	Huawei AirEngine -6760R-51
Maximum Number of Users	≤ 1024 (512/Radio) NOTE: The actual number of users varies according to the environment.
Port	1 x 5GE electrical, 1 x GE electrical, and 1 x 10GE SFP+
Antenna Type	AirEngine 6760R-51: Built-in smart antennas NOTE: - Horizontal beamwidth: 60° for 2.4 GHz and 40° for 5 GHz - Vertical beamwidth: 60° for 2.4 GHz and 20° for 5 GHz AirEngine 6760R-51E: External antennas
Format	Boîtier étanche IP-68
Type d'équipement	AP Wi-Fi extérieurs
Type d'alimentation	PoE++ 802.3bt
Débit	5950 Mbps
Norme Wi-Fi	IEEE 802.11ax (Wi-Fi 6)

Product Details

- Provides services simultaneously on both the 2.4 GHz and 5 GHz bands, at a rate of up to 1.15 Gbps at 2.4 GHz (4 x 4), 4.8Gbps at 5 GHz (4 x 4), and 5.95 Gbps for the device.
- 1 x 5GE electrical, 1 x GE electrical, and 1 x 10GE SFP+.
- 6 KA/6 KV surge protection for Ethernet ports, IP68 waterproof and dustproof design, and -40°C to + 65°C wide temperature, fully meeting industrial-grade requirements.
- The external antenna port of AirEngine 6760R-51E supports 5 KA surge protection, no need to install an external surge protector, simplifying installation, and minimizing the overall cost.
- Supports Bluetooth serial interface-based O&M through built-in Bluetooth and CloudCampus APP, and precise locating of Bluetooth terminals by collaborating with location server.
- Supports the Fat, Fit, and cloud three working modes.



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Specification

Huawei AirEngine-6760R-51 Specification	
Dimensions (H x W x D)	85 x 270 x 220mm
Weight	3 kg
Power Input	PoE power supply: In compliance with 802.3at/bt.
Maximum Number of Users	≤ 1024 (512/Radio) NOTE: The actual number of users varies according to the environment.
Port	1 x 5GE electrical, 1 x GE electrical, and 1 x 10GE SFP+
Type MIMO	Multi User MIMO
Operating Temperature	-40°C to +65°C
Antenna Type	AirEngine 6760R-51: Built-in smart antennas NOTE: - Horizontal beamwidth: 60° for 2.4 GHz and 40° for 5 GHz - Vertical beamwidth: 60° for 2.4 GHz and 20° for 5 GHz AirEngine 6760R-51E: External antennas
Power input	PoE power supply: In compliance with 802.3at/bt.
RoHS	Directive 2002/95/EC & 2011/65/EU
Maximum transmit power	2.4G: 30dBm (combined power) 5G: 30dBm (combined power) NOTE: The actual transmit power depends on local laws and regulations.

Contact Us

Mobile : +213661211200 / +213661211201 / +213661211202 / +213661211203

Phone : +213 23 34 84 10 / +213 23 34 84 09

FAX : +213 23 34 84 69

Website: www.hactel.com / Email: info@hactel.com

Headquarters : Villa N° 79, lotissement D, Rue del Commune El Achour, Alger 16104

