

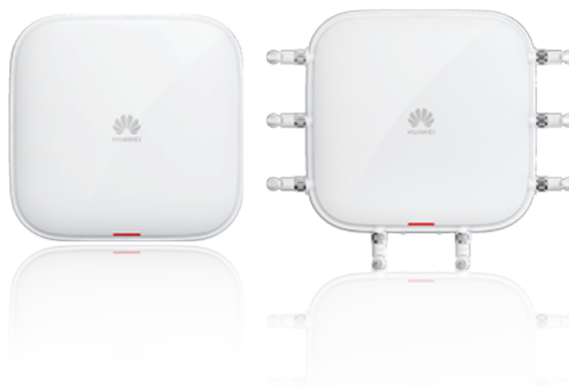
AirEngine-6760-X1 Datasheet



**SMART
SECURITY
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Overview

Huawei AirEngine 6760-X1 is an indoor Wi-Fi 6 (802.11ax) Access Points (APs), which support ten spatial streams as the default, with support for up to 12 spatial streams possible through a Right to Use (RTU) software license. In addition, this model supports Software-Defined Radio (SDR) and can flexibly switch between three modes – dual-radio, triple-radio, and dual-radio + one scanning radio – making them ideal for high-interference or high-density access scenarios.



Quick Spec

Table 1 shows the Quick Specs.

Model	Huawei AirEngine 6760-X1
Maximum Number of Users	≤ 1024 (dual-radio mode) ≤ 1152 (triple-radio mode) Note: The actual number of users varies according to the environment
Port	1 x 10 GE, 1 x GE electrical, and 1 x 10 GE SFP+
IoT	Built-in IoT slots
Antenna Type	AirEngine 6760-X1: Built-in Smart Antennas
Radio Protocols	802.11a/b/g/n/ac/ac Wave 2/ax
Maximum Rate	Basic capability: 8.35 Gbit/s RTU license upgrade: 10.75 Gbit/s

Product Details

Huawei AirEngine 6760-X1 provide these features:

Dynamic Turbo

Huawei's unique SmartRadio intelligent application acceleration intelligently detects latency-sensitive applications — such as VR, AR, and gaming services — to ensure that latency remains as low as 10ms, effectively eliminating dizziness and frame-freezing in multi-user concurrency scenarios.

Smart Antennas

Unique to Huawei, built-in dual-band co-planar Smart Antennas automatically suppress interference, achieve 20% greater coverage distance than competitor Wi-Fi 6 products, and offer a two-fold increase in overall signal strength. The result is high-quality wireless coverage with zero blind spots.

IoT Expansion

AirEngine 6760-X1 supports BLE 5.0 by default and adapt to multiple IoT protocols, such as RFID and ZigBee, through the built-in, dual-IoT slot design and USB port.

This meets access requirements for a diverse range of IoT terminals.



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Specification

Huawei AirEngine 6760-X1 Specification	
Dimensions (H x W x D)	61 mm x 220 mm x 220 mm
Power Input	DC: 48 V \pm 10% PoE power supply: in compliance with IEEE 802.3bt
Maximum Number of Users	\leq 1024 (dual-radio mode) \leq 1152 (triple-radio mode) Note: The actual number of users varies according to the environment
Port	1 x 10 GE, 1 x GE electrical, and 1 x 10 GE SFP+
IoT	Built-in IoT slots
Operating Temperature	-10°C to 50°C
Antenna Type	AirEngine 6760-X1: Built-in Smart Antennas
MIMO: Spatial Streams	Basic capability: 2.4 GHz: 4x4:4; 5 GHz: 6x6:6 Capability upgrade via RTU license: 2.4 GHz: 4x4:4; 5 GHz: 8x8:8 2.4 GHz: 4x4:4; 5 GHz-0: 4x4:4; 5 GHz-1: 4x4:4
Radio Protocols	802.11a/b/g/n/ac Wave 2/ax
Maximum Rate	Basic capability: 8.35 Gbit/s RTU license upgrade: 10.75 Gbit/s

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

