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GLORY

# **AirEngine 8760-X1-PRO-G**

## **Wireless Access Point**



## ■ Product Overview

The AirEngine 8760-X1-PRO-G New generation indoor flagship AP that supports Wi-Fi 6 (802.11ax) standard. It supports flexible switching of three modes of high-performance dual RF/triple RF/dual RF + independent RF scanning, and the overall speed can reach 10.75Gbps. Built-in smart antenna, the signal moves with the user, greatly enhancing the user's experience of wireless network. Supports 10GE optical and electrical uplink, flexibly ADAPTS to various deployment scenarios, and is suitable for enterprise office, government, higher education, and general education scenarios.

- Support dual RF mode: 2.4GHz(4x4)+5GHz(12×12), triple RF mode: 2.4GHz(4×4)+5GHz(8×8)+5GHz(4×4), dual radio 2.4GHz(4×4)+5GHz(8×8)+ independent RF scanning mode, flexible and cut, of which 2.4GHz band maximum rate of 1.15Gbps, 5GHz band maximum rate of 9.6Gbps, The machine speed can reach 10.75Gbps;
- Support 2x10GE electrical port + 1x10G optical port;
- Provide USB interface, can be used for external power supply, expansion of external Internet of things, can also be used for storage; Built-in smart antenna, based on intelligent switching algorithm to automatically adjust the coverage direction and signal strength to adapt to changes in the application environment, and can be accurate and stable coverage with the movement of the terminal;
- Built-in iot slot (PCIE interface), support BLE/ZigBee/RFID/Thread and other iot expansion;
- Built-in independent radio frequency scanning module, real-time detection of interference, illegal devices, etc., timely tuning the network;
- Built-in Bluetooth, with CloudCampus APP can achieve Bluetooth serial port operation and maintenance;
- Support FIT/FAT/ cloud management three working modes.

### Instructions

- Two 10GE electrical ports support dual POE in hot backup power supply.

## Product Specifications

Items		Description		
Physical Parameters	Dimensions (W × D × H)	220 × 220 × 61mm		
	Weight	1.85kg		
	Interface	2*100M/1000M/2.5G/ 10G electrical port 1*1GE/10G optical port 1*USB Port Instructions <ul style="list-style-type: none"> <li>10GE electrical ports support PoE input.</li> <li>10 Gbit/s optical ports support 10GE/GE/GPON optical modules.</li> </ul>		
	IoT expansion module	Built-in iot slot (PCIe interface) to support PCIe cards such as ZigBee/RFID/Thread		
	BLE	BLE5.2		
	LED indicator	Indicates the system power-on status, startup status, operating status, and alarm and fault status		
Power Supply Parameters	Power Input	DC: 42.5V to 57V PoE power supply: Meet the 802.3at/bt Power over Ethernet standard Instructions <ul style="list-style-type: none"> <li>Supports two 10GE electrical ports with dual POE in hot backup power supply.</li> </ul>		
	POE Power Supply Mode	2.4 GHz	5GHz	Power consumption (excluding USB, IoT)
	802.3bt (PoE++) Class 8	4×4	12×12	55W
		4×4	4×4+8×8	
	802.3bt (PoE++) Class 6	4×4	12×12	<51W
		4×4	4×4+8×8	
	802.3at (PoE+)	2×2	4×4	<25.5 W
2×2		2×2+2×2		
Instructions <ul style="list-style-type: none"> <li>Ethernet port, bandwidth, IoT, USB and other working status under different power supply modes. The actual maximum power consumption varies according to the regulations of different countries and regions.</li> <li>When 802.3bt(PoE++) Class 6 is powered, only one AP dual 10GE port and SFP+ optical port work properly.</li> </ul>				
Environmental Parameters	Operating Temperature	-10°C to +50°C Instructions <ul style="list-style-type: none"> <li>The local temperature of the housing may be higher than the operating temperature, but it will not affect the use of the safety standard.</li> </ul>		
	Storage Temperature	-40°C to +70°C		
	Operating Humidity	5% to 95% (non-condensing)		
	Altitude	- 60m to 5000m		
	Working Pressure	53kPa to 106kPa		
Rf Parameters	Antenna Type	Built-in smart antenna		
	Antenna Gain	2.4GHz: 4dBi 5GHz: 5dBi Instructions <ul style="list-style-type: none"> <li>The above gain is a single antenna peak gain.</li> </ul>		
	Maximum Number of SSIDs Per RF	≤16		
	Maximum Number of Users	≤1024 (dual RF mode) (512/ RF) ≤1152 (triple RF mode) (128(2.4G RF)+512(5G RF 1)+512(5G RF 2)) Instructions <ul style="list-style-type: none"> <li>The actual number of users varies according to the operating environment.</li> </ul>		
	Maximum Transmitting Power	2.4GHz: 26dBm (combined power) 5GHz: 31dBm (combined power) Instructions <ul style="list-style-type: none"> <li>Actual transmitted power varies according to national and regional regulations.</li> </ul>		



## ■ Full Range of WIFI6 Indoor Models

Model	Wi-Fi 6 (802.11ax) Indoor AP
AirEngine 8760-X1-PRO-G	Airengine 8760-X1-Pro-G (11ax indoor model, independent third RF,4+12 dual band, Smart antenna,USB,IoT slot, Bluetooth)
AirEngine 8761-X1-G	Airengine 8761-X1-G host (11ax, indoor model,2.4G 4x4 + 5G 8x8 dual-band, Smart antenna,10GE+GE,USB, Bluetooth)
AirEngine 6760-X1-G	Airengine 6760-X1-G(11ax indoor model,4+6 dual band, smart antenna,USB,IoT slot, Bluetooth, upgradeable 4+8/4+4+4/4+6+ scan)
AirEngine 6760-X1E-G	Airengine 6760-X1E-G(11ax indoor model,4+6 dual band, external antenna,USB,IoT slot, Bluetooth, upgradeable 4+8/4+4+4/4+6+ scan)
AirEngine 6761-21T-G	Airengine 6761-21T-G(11ax indoor model,2+2+4 triband, Smart antenna,USB, Bluetooth)
AirEngine 6761-21E-G	Airengine 6761-21E-G(11ax indoor model,4+4 dual band, external antenna,USB, Bluetooth, scan)
AirEngine 5760-51-G	Airengine 5760-51-G(11ax indoor model,2+4 dual band, smart antenna,USB,IoT slot, Bluetooth, upgradeable 4+4/2+2+4/2+4+ scan)
AirEngine 5761-21-G	Airengine 5761-21-G(11ax indoor model,2+4 dual band, Smart antenna,USB, Bluetooth)
AirEngine 5761-11-G	Airengine 5761-11-G(11ax indoor model,2+2 dual band, Smart antenna,USB, Bluetooth)
AirEngine 5762-10-G	Airengine 5762-10-G(11ax indoor type,2+2 dual frequency, smart antenna)
AirEngine 6761-21-G	Airengine 6761-21-G(11ax indoor model,4+4 dual band, Smart antenna,USB, Bluetooth, Scan)
AirEngine 5761-12-G	Airengine 5761-12-G(11ax indoor model,2+2 dual band, Smart antenna,USB,IoT slot, Bluetooth)
AirEngine 5762-12-G	Airengine 5762-12-G(11ax indoor model,2+2 dual band, Smart antenna, Bluetooth)
Model	Wi-Fi 6 (802.11ax) Panel AP
AirEngine 5761-11W-G	Airengine 5761-11W-G(11ax indoor model,2+2 dual band, Smart antenna,USB, Bluetooth)
AirEngine 5761-12W-G	Airengine 5761-12W-G(11ax indoor model,2+2 dual band, Smart antenna,USB, Bluetooth,PSE)
AirEngine 5762-12SW-G	Airengine 5762-12SW-G(11ax indoor model, no cover plate,2+2 dual band, Smart antenna, Bluetooth)
AirEngine 5762-13W-G	Airengine 5762-13W-G(11ax indoor model,2+2 dual band, Smart antenna,USB, Bluetooth)
AirEngine 5762-15HW-G	Airengine 5762-15HW-G(11ax indoor model,2+2 dual band, Smart antenna,USB, Bluetooth)
AirEngine 5762-16W-G	Airengine 5762-16W-G(11ax indoor model,2+2 dual band, built-in butterfly wing smart antenna,USB, Bluetooth)
AirEngine 5762-17W-G	Airengine 5762-17W-G(11ax indoor model,2+2 dual band, Smart antenna,USB, Bluetooth)
AirEngine 5762-10SW-G	Airengine 5762-10SW-G(11ax indoor type,2+2 dual frequency, smart antenna)
Model	Wi-Fi 6 (802.11ax) Zero roaming distributed AP
AirEngine 9700D-S-G	Airengine 9700D-S-G(11ax indoor Zero Roaming Distributed Wi-Fi,4+8 dual band,DAP,8*Opto Hybrid,2*2.5G Ethernet,1*10 Gigabit SPF+,4*2.4G IOT,4*WIFI,2*433M IOT, AC powered)
AirEngine 5760-11DH-G	Airengine 5760-11DH-G(11ax indoor zero roaming distributed Wi-Fi,ORU,1 photoelectric hybrid port,1 433M RF port,8 2.4G&5G RF ports)
Model	Wi-Fi 6 (802.11ax) Agile Distributed AP
AirEngine 9700D-M1-G	Airengine 9700D-M1-G host (24 10/100/1000BASE-T Ethernet ports,4 10-gigabit SFP+,PoE+, AC power)
AirEngine 5761-11WD-G	Airengine 5761-11WD-G(11ax indoor model,2+2 dual band, Smart antenna,USB, Bluetooth)



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**Guangdong Glory Technology Co., Ltd.**

**Email: [service@glory-t.tech](mailto:service@glory-t.tech)**

**Hotline: +86 400-800-6805**

**For more information, please visit [www.glory-t.cn](http://www.glory-t.cn)**

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