



光语
GLORY

AirEngine

8760R-X1-G & 8760R-X1E-G

Wireless Access Point



AirEngine 8760R-X1-G



AirEngine 8760R-X1E-G

■ Product Overview

The AirEngine 8760R-X1-G & 8760R-X1E-G supports Wi-Fi 6 (802.11ax) standard's new generation of outdoor flagship aps with overall speeds up to 10.75Gbps. With excellent outdoor coverage performance as well as superior IP68 water, dust and lightning protection capabilities. Built-in smart antenna (AirEngine 8760R-X1-G), the signal moves with the user, greatly enhancing the user's experience of wireless network use. It supports 10GE optical and electrical uplink, facilitates customers to use different deployment modes, effectively saves customers' investment, and is suitable for high-density venues, plazas, pedestrian streets, playgrounds and other coverage scenarios.

- The AirEngine 8760R-X1-G supports long range coverage mode: 2.4GHz(8×8:4)+5GHz (8×8:8), dual RF mode: 2.4GHz(4×4:4)+5GHz(12×12:8), dual radio 2.4GHz(4×4:4)+5GHz(8×8:8)+ independent RF scanning mode, the three modes can be flexibly cut, of which the maximum rate of 2.4GHz band is 1.15Gbps, The maximum speed of the 5GHz band is 9.6Gbps, and the machine speed can reach 10.75Gbps;
- The AirEngine 8760R-X1E-G supports remote coverage mode: 2.4GHz(8×8:4)+5GHz (8×8:8), three RF modes: 2.4GHz(8×8:4)+5GHz(4×4:4)+5GHz(4×4:4), dual radio 2.4GHz(4×4:4)+5GHz(4×4:4)+ independent RF scanning mode, the three modes are flexible and can be cut, among which the maximum rate of 2.4GHz band is 1.15Gbps, The maximum rate of the 5GHz band is 9.6Gbps, and the machine speed can reach 10.75Gbps;



- Support 1x10GE electrical port +1xGE electrical port +1x10G optical port;
- Support Ethernet interface 8.5KA/8.5KV enhanced lightning protection, IP68 waterproof and dustproof grade, -40°C to +70°C wide temperature operation, fully meet the requirements of industrial use;
- The AirEngine 8760R-X1-G built-in smart antenna, to achieve directional and accurate coverage of mobile terminals, reduce interference, improve signal quality;
- The AirEngine 8760R-X1E-G external antenna port supports 5KA antenna lightning protection, without external lightning protection device, simplifying installation and reducing the overall cost;
- Built-in independent scanning RF, real-time detection of interference, illegal equipment, 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.

■ Product Specifications

Item		Description
Physical Parameters	Dimensions (diameter × height)	Φ 165 × 387 mm
	Weight	AirEngine 8760R-X1-G: 4.15kg AirEngine 8760R-X1E-G: 4.05kg
	Interface	1*100 m/1000 m/GE 2.5/5 10 GE GE/mouth 1*1G/10G optical port 1*10/100/1GE electrical port Instructions <ul style="list-style-type: none"> • 10GE electrical ports support PoE input. • 10 Gbit/s optical ports support 10GE/GE optical modules.
	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	<p>PoE power supply: Meet the 802.3at/bt Power over Ethernet standard</p> <p>Instructions</p> <ul style="list-style-type: none"> • The actual maximum power consumption varies according to national and regional regulations. • When 802.3bt(PoE++) Class 6 is powered, only one 10GE electrical port and one SFP+ optical port of the AP works properly.

Environmental Parameters	Operating Temperature	-40°C to +70°C Instructions <ul style="list-style-type: none"> The local temperature of the housing may be higher than the operating temperature, but it will not affect the use of the safety standard.
	Storage Temperature	-40°C to +85°C
	Working Humidity	0% to 100%
	Dust and Water Resistance Rating	IP68
	Altitude	- 60m to +5000m
	Working Air Pressure	53kPa to 106kPa
Rf Parameters	Antenna Type	AirEngine 8760R-X1-G: Built-in smart antenna Instructions Both 2.4GHz and 5GHz have semi-omnidirectional coverage <ul style="list-style-type: none"> 2.4GHz level: 180°@6dB lobe width, 70°@3dB lobe width. 5GHz level: 180°@6dB lobe width, 100°@3dB lobe width. 2.4GHz vertical lobe width 40°, 5GHz vertical lobe width 20°. AirEngine 8760R-X1E-G: External antenna
	Antenna Gain	AirEngine 8760R-X1-G: 2.4GHz: 10dBi 5GHz: 11dBi
	Maximum SSID Number Per RF	≤16
	Maximum Number of Users	AirEngine 8760R-X1-G: ≤1024 (512/ RF) AirEngine 8760R-X1E-G: <ul style="list-style-type: none"> ≤1024 (dual RF mode) (512/ RF) ≤1152 (triple RF mode) (128(2.4G RF)+512(5G RF 1)+512(5G RF2))



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Ignite future, connect world



Guangdong Glory Technology Co., Ltd.

Email: service@glory-t.tech

Hotline: +86 400-800-6805

For more information, please visit www.glory-t.cn

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