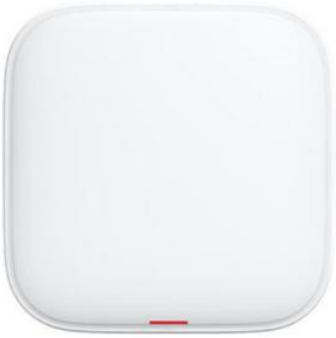
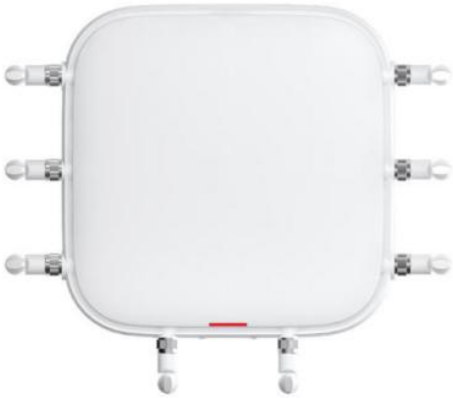
光语
GLORY

AirEngine 6760-X1-G & 6760-X1E-G Wireless Access Point

Datasheet



AirEngine 6760-X1-G



AirEngine 6760-X1E-G

Product Overview

The AirEngine 6760-X1-G & AirEngine 6760-X1E-G supports Wi-Fi 6 (802.11ax) standard indoor aps. Support 2.4GHz (4×4) and 5GHz (6×6) dual-band services at the same time, the overall speed up to 8.35Gbps, through the RTU License upgrade, the overall speed up to 10.75Gbps. Built-in smart antenna (AirEngine 6760-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 flexible deployment, effectively saves customer investment, and is suitable for enterprise office and education scenarios.

- The AirEngine 6760-X1-G built-in intelligent 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;
- The AirEngine 6760-X1E-G external antenna, can be adapted to different antennas according to the user's use scenario, enhance the coverage effect;
- Supports 1x 10GE electrical port + 1xGE electrical port + 1x 10G optical port;
- ProvideUSB Port, can be used for external power supply, expansion of external Internet of things, can also be used for storage;
- Built-in iot slot (PCIE interface), support BLE/ZigBee/RFID/Thread and other iot expansion;
- Built-in Bluetooth, with CloudCampus APP can achieve Bluetooth serial port operation and maintenance;
- Support FIT/FAT/ cloud management three working modes;

Basic ability:

· Support dual radio mode 2.4GHz(4×4)+5GHz(6×6), of which 2.4GHz band maximum rate of 1.15Gbps, 5GHz band maximum rate of 7.2Gbps, the machine speed can reach 8.35Gbps;

RTU License upgrade:

· Support dual RF mode: 2.4GHz(4×4)+5GHz(8×8), triple RF mode: 2.4GHz(4×4)+5GHz(4×4)+5GHz(4×4), scan mode: 2.4GHz(4×4)+5GHz(6×6)+ independent RF scanning, the above mode is flexible and can be cut, of which the maximum rate of 2.4GHz band is 1.15Gbps, the maximum rate of 5GHz band is 9.6Gbps, and the machine speed can reach 10.75Gbps.

Instructions

· Basic capability refers to the mode and feature supported by default.
· The Right to use (RTU) License upgrade means to add more space flows and features to the basic capabilities (in 802.3bt power mode).

Product Specifications

<table>
<tr><th colspan="2">Items</th><th colspan="3">Description</th></tr>
<tr><td rowspan="6">Physical Parameters</td><td>Dimensions
(W × D × H)</td><td colspan="3">220×220× 61mm</td></tr>
<tr><td>Weight</td><td colspan="3">1.85kg</td></tr>
<tr><td>Interface</td><td colspan="3">1*100M/1000M/2.5G/ 10GE electrical port
1*10M/100M/1GE electrical port
1*1G/10G optical port
1*USB Port
Instructions
· 10GE electrical ports support PoE input.
· 10 Gbit/s optical ports support 10GE/GE optical modules.</td></tr>
<tr><td>IoT expansion Module</td><td colspan="3">Built-in iot slot (PCIE interface) to support PCIE cards such as ZigBee/RFID/Thread</td></tr>
<tr><td>BLE</td><td colspan="3">BLE5.2</td></tr>
<tr><td>LED Indicator</td><td colspan="3">Indicates the system power-on status, startup status, operating status, and alarm and fault status</td></tr>
<tr><td rowspan="6">Power Supply Parameters</td><td>Power Input</td><td colspan="3">DC: 42.5V to 57V
PoE power supply: Meet the 802.3at/bt Power over Ethernet standard</td></tr>
<tr><td>POE power supply mode</td><td>2.4 GHz</td><td>5GHz</td><td>Power consumption (excludingUSB and IoT)</td></tr>
<tr><td rowspan="3">802.3bt (PoE++)</td><td>4×4(RTU)</td><td>4×4+4×4 (RTU)</td><td rowspan="3">39.9 W.</td></tr>
<tr><td>4×4 (RTU)</td><td>8×8 (RTU)</td></tr>
<tr><td>4×4 (default)</td><td>6×6 (default)</td></tr>
<tr><td>802.3at (PoE+)</td><td>2×2</td><td>4×4</td><td>< 25.5 W.</td></tr>
<tr><td colspan="4">Instructions
Working status of Ethernet ports, IoT, andUSB in different power supply modes
The actual maximum power consumption varies according to the laws and regulations of different countries and regions.</td></tr>
</table>

Environmental Parameters	Operating Temperature	-10℃ to +50℃ Instructions · 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℃ to +70℃
	Operating Humidity	5% to 95% (non-condensing)
Rf Parameters	Antenna Type	AirEngine 6760-X1-G: Built-in smart antenna AirEngine 6760-X1E-G: External antenna
	Antenna Gain	AirEngine 6760-X1-G: 2.4GHz: 4.5dBi 5GHz: 6dBi Instructions · The above gain is the single antenna peak gain. · After combining all antennas of 2.4GHz or 5GHz, equivalent antenna gain: 2.4GHz: · 5ghz: 2.5dBi.
	Maximum SSID Number Per RF	⩽16
	Maximum Number of Users	⩽1024 (dual RF mode) (512/ RF) ⩽1536 (triple RF mode) (128(2.4G RF)+512(5G RF 1)+512(5G RF2)) Instructions · The actual number of users varies according to the operating environment.
	Maximum Transmit Power	2.4GHz: 26dBm (combined power) 5GHz: 29dBm (combined power) Instructions · Actual transmitted power varies according to national and regional regulations.
	Power Adjustment Step Size	1dBm
	Maximum number of non-overlapping channels	2.4GHz (2.412GHz to 2.472GHz)

光语 GLORY

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