Product Datasheet

XAP1500GE

1500M Dual-Band Gigabit Wireless Ceiling AP

1、PRODUCT OVERVIEW AND FEATURES

Product Overview:

XAP1500GE is a high-performance, high-speed 11ax indoor dual-band ceiling mounted AP that can provide 2.4G and 5GHz dual-band wireless high-speed access services. 2.4G can provide a maximum access rate of 300Mbps, and 5G can provide a maximum access rate of 1202Mbps. It is suitable for various crowded scenarios, such as: high-speed railway stations, subway stations, air-terminal, hotels, hospitals, schools, scenic spots, docks, shopping malls and other application scenarios.

Product Features:

WiFi6 ceiling mounted AP, 1500Mbps high power

Adopting the new generation WiFi6 standard, supporting 1500Mbps wireless rate，2.4GHz&5.8GHz dual band concurrency, automatic optimization,and selecting frequency bands with higher network speed and less interference for users to access the internet; Provide users with fast, comprehensive, and stable indoor wireless networks.

Powerful three chips, guaranteed quality

It adopts a powerful intelligent three-chip solution with guaranteed performance. This chip solution has undergone rigorous market testing and screening, and can well ensure the stability of the equipment. The product quality is trustworthy.

POE power supply, convenient for engineering

The 48V standard POE power supply makes the project more convenient and users do not have to worry about power supply problems. At the same time, the carefully designed

hidden structure of the network cable port hides the tangled and exposed network cables, keeping the overall environment grand, simple and beautiful.

Wide coverage, multi-scenario application

Full Gigabit network ports provide stronger signals, no fear of multiple wall obstructions, extended signals without attenuation, wider coverage, and 360° all-round elimination of WiFi dead spots. Widely applicable scenarios, it can build fast and efficient wireless networks for shopping malls, supermarkets, enterprises, schools, conference rooms, restaurants and other places, providing stable, high-speed and large-scale wireless coverage.

2、 TECHNICAL SPECIFICATION

Product Name	AX1500 WIFI6 Dual-Band Gigabit Wireless Ceiling				
Product Model	XAP1500GE				
Hardware Specifications					
CPU	RTL8197H+RTL8832BR +RTL8367RB				
DDR3	128MB				
FLASH	NORFLASH 16MB				
Wireless Protocol Standards	2.4G：support IEEE 802.11 b/g/n/ac/ax 5G：support IEEE 802.11 a/ n/ac/ax				
Wireless Working Frequency Band	2.4GHz：2.412GHz–2.472GHz 5GHz：5.180GHz～5.825GHz				
Wireless Maximum Rate	2.4G provides a maximum access rate of 300Mbps 5G provides a maximum access rate of 1201Mbps				
2.4G Transmit Power	802.11b	11M	24±2dBm	1M	24±2dBm
	802.11g	54M	21±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	20±2dBm	MCS0	22±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	22±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	22±2dBm
5G Transmit Power	802.11a	54M	19±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	21±2dBm
	802.11ac VHT20	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ac VHT40	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ac VHT80	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ax HE20	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HE40	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HE80	MCS11	17±2dBm	MCS0	21±2dBm
2.4G Receiving Sensitivity	802.11b	11M	-85dBm	1M	-90dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-87dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-85dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-83dBm
	802.11ax HE40	MCS11	-56dBm	MCS0	-83dBm
5G Receiving Sensitivity	802.11a	54M	-72dBm	6M	-92dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-88dBm
	802.11ac VHT20	MCS9	-70dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-68dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-58dBm	MCS0	-85dBm

	802.11ax HE20	MCS11	-62dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-86dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
2.4G EVM	802.11b：≤-10dB；802.11g：≤-25dB；802.11n：≤-28dB；802.11ax：≤-35dB				
5G EVM	802.11a：≤-25dB；802.11n：≤-28dB；802.11ac：≤-32dB；802.11ax：≤-35dB				
Frequency offset（ppm）	±20 ppm				
2.4G antenna	2 built-in antennas, gain: 4dBi				
5G antenna	2 built-in antennas, gain: 4dBi				
Network Interface	Two 10/100/1000Mself-adaption RJ45 interface, one of which supports 48V POE power supply				
Reset switch	1 RESET button (press and hold for 10-15 seconds to restore to default factory settings)				
Indicator Lights	POWER indicator light, LAN port indicator light; Three-color light (three different colors represent: SYS-red, 2.4G/WIFI-green, 5.8G/WIFI-blue)				
Power Supply Mode	Standard POE power supply, supporting 802.3at protocol; DC 12V 1.5A。				
Maximum Power Consumption of the Whole Machine	＜15W				
Product Size	168*168*25mm				
Net/Gross Weight	<0.3kg / <0.45kg				
Appearance Material	Imported high-quality high-temperature resistant PC material				
Appearance Color	White				
degree of protection	IP31				
Installation method	Ceiling installation				
Product Accessories	AX1500 WIFI6 dual-band ceiling wireless AP *1 Quick installation guide *1, warranty card *1, certificate *1				
Usage Environment	Working temperature：-10℃～55℃ Working temperature：-40℃～70℃ Working humidity：10%～90%RH non-condensing Storage humidity：5%～95%RH non-condensing				
Software Specifications					
Working Mode	FIT AP mode(FIT AP): managed by wireless controller (AC) FAT AP mode(FAT AP): managed by independent web page				
AC Unified	Support				

Management		
Wireless Functions	SSID Broadcast	Support
	SSID Hidden	Support
	the Chinese Language SSID	Support
	Multiple SSID	Support
	SSID Merger	Support 2.4GHz and 5.8GHz frequency bands combined into one common SSID
	Wireless Encryption	WPA、WPA2、WPA-PSK、WPA2-PSK
	User Isolation	Isolation between wireless networks, AP Internal Isolation
	Blacklist and Whitelist Management	Support MAC address blacklist and whitelist management
	Transmit Power Setting	Support 1dBm linear adjustment
	VLAN Settings	Support SSID and VLAN binding
	Wireless Client-side Number Limit	Support
	Seamless Roaming	Support
Maximum Number of Connected users	2.4G	80
	5G	80
System Management	Device Management	Full Chinese web management
	System Log	Support
	Configuration delivery	Support
	Remote Reboot	Support AC remote reboot
	Restore factory settings	Support
	Backup Configuration	Support
	Import Configuration	Support
	Software Upgrade	Support

3、CONTACT US

Tel: 0086-752-3397806

WeChat: HZGWS--PoE

Email: hzgws@hzgws.com

Skype: hzgws@hzgws.com

Website: www.hzgws.com

Address: Building 3, Phase II, Xinghe Artificial Intelligence Industrial Park, No.333 Zhongkai 6th Road,

Chenjiang Street, Zhongkai High-tech Zone, Huizhou