



Industrial Access Point 1167Mbps 802.11ac

GP-API200-D Series



INDUSTRIAL NETWORK SOLUTION SPECIALIST
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Introduction

GP-API200-D Series is a high-performance, high-speed dual-band wireless industrial outdoor access point designed based on IEEE 802.11ac wave2. It used Qualcomm chipset and supports 802.11 b / g / n / ac , the speed up to 1167M.

GP-API200-D features an integrated directional antenna with a maximum coverage of 500 meters. Its 2.4GHz module supports 802.11b/g/n standards and has a transmission power of 1000mW, allowing outdoor coverage over 1000 meters with sector antennas. The 5.8GHz module supports 802.11a/n/ac standards, also at 1000mW. The 5GHz band offers lower congestion and better anti-interference, improving signal quality and stability. In 802.11ac mode, it achieves a maximum bandwidth of 866Mbps, with outdoor coverage exceeding 1000 meters when using sector antennas.

Main Feature

- Support 802.11 b / g / n Standard
- Support 802.11 ac Standard and 2-Streams 1167Mbps Speed
- Support Dual Band (2.4G+5G)
- Built-in directional antenna, MAX. wifi coverage up to 500m
- Support AP FAT and AP FIT Switching.
- Support 4 × 4 MU-MIMO
- Support Open System, Shared Key, WPA, WPA-PSK, WPA2-Enterprise, WPA2-PSK
- Support Gigabit RJ45 Ethernet
- Support IEEE 802.3 af & at PoE Power Supply
- Support DC12V Power Supply
- Support Diversified Access Authentication Methods
- Support IP67 Protection-Level

Software Parameter

WLAN	Frequency Band	2.4GHz	5GHz
	Streams	2	2
	Channel Bonding	40MHz (Not Recommend)	80MHz
	MU-MIMO	NA	Support
	867 Mbps(PHY)	NA	Support
	300 Mbps(PHY)	Support	NA
	A-MPDU	Support	Support
	MLD	Support	Support
	MRC	Support	Support
	STBC	Support	Support
	LDPC	Support	Support
	MAX Virtual AP	Single Band-- Support 16 Virtual AP	
	Max Access Users	120+ (Influenced by Environment Fators)	
	Max Access Spend	2.4GHz: 300 Mbps 5GHz: 867 Mbps	
	RTS/CTS	Support	
	CTS-to-self	Support	
	Hidden SSID	Support	
Terminal Aging/Heartbeat Detection	Support		
Working Mode	AP Mode	FAT/ FIT AP Mode	
	Other Mode	Relay Mode/ Gateway Mode/ Wireless ISP Mode	
RF	Load Balancing	Load balancing is supported based on the number of users and user traffic	
	5G Priority	Support	
	Automatic Channel Selection	Support	
	Automatic Power Regulation	Support	
	Intelligent Speed Select	Support	
	Time Fair Scheduling	Support	

Roaming	Roaming Switch	Support 802.11k, 802.11v, 802.11r
		LAY2/LAY3 Roaming
Security	Encryption	Support 64/128 bit WEP、TKIP、CCMP、WAPI
	Authentication Method	Cooperate With AC Support WPA、WPA-PSK、WPA2- Enterprise、WPA2-PSK、WPA3、MAC address Verify、Web Verify、PPPoE Verification and etc Methods
	LAY2 Isolation of Wireless Users	Support
	wIDS	Support
AAA	RadiusClient	Support
	Authentication Server Multi-domain configuration	Support
	Authentication Server Backup	Support
LAY2/LAY3	IP Address	Static IP and DHCP dynamically obtain addresses
	IPv6	Support
	ACL	Support
	DHCP server	Support (Router Mode)
	NAT	Support (Router Mode)
Service Quality	WMM(802.11e)	Support
	Priority Mapping	Support
	QoS Policy Mapping	Support
	Bandwidth Managed	Support Bandwidth Speed Limitation based on SSID and Users
	Call Admission Control (CAC)	Support
Maintenance	Network Management	SNMPV1/V2c/V3、Trap、Telnet、FTP/TFTP、WEB

Hardware Parameter

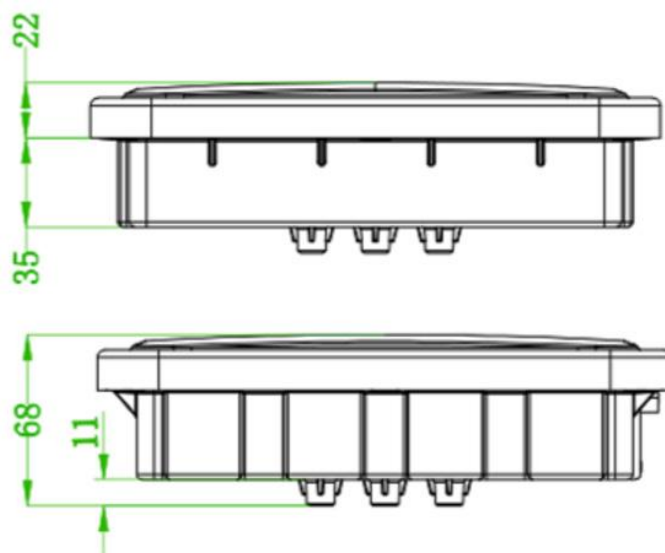
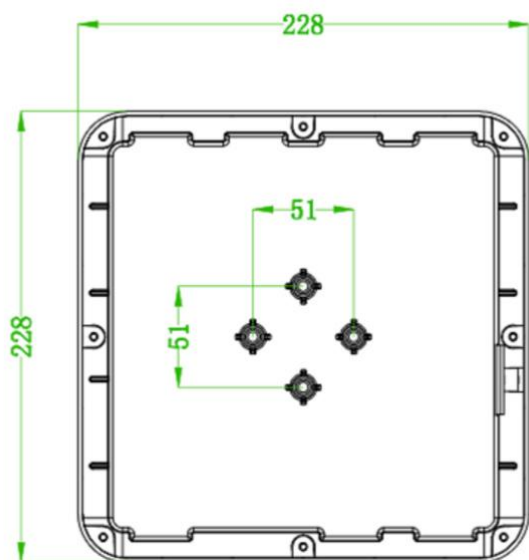
CPU	QCA9563+QCA9882+QCA8334	
Flash	16MB	
DDR	128MB	
PA-2.4G	SKY65174	
PA-5G	SE5023L	
Port	Ethernet	1 × 10/100/1000Base-T PoE/RJ45 Port Adaptive (Support PoE)
	Antenna	2.4G: Build-in Directional 10dbi 5G: Build-in Directional 13dbi

2.4G	Working Band	802.11b/g/n : 2.4GHz-2.483GHz (CHINA)
	WiFi Protocol	802.11 b / g / n
	Wireless Power	802.11b: 11M\27±2dBm, 1M\29±2dBm 802.11g: 54M\26±2dBm, 6M\29±2dBm 802.11n HT20: MCS7\25±2dBm, MCS0\28±2dBm 802.11n HT40: MCS7\24±2dBm, MCS0\27±2dBm
	Receiver Sensitivity	802.11b: 11M\ -85dBm; 1M\ -94dBm 802.11g: 54M\ -72dBm; 6M\ -90dBm 802.11n: HT20: MCS7\ -70dBm; MCS0\ -88dBm 802.11n: HT40: MCS7\ -68dBm; MCS0\ -86dBm
	EVM	802.11b_11M: ≤ -10 dB 802.11g_54M: ≤ -25 dB 802.11n_MCS7: ≤ -28dB
5G	Working Band	802.11ac/n/a: 5.150GHz-5.350GHz 5.725GHz-5.850GHz (CHINA)
	WiFi Protocol	802.11 a / n / ac
	Wireless Power	802.11a: 54M\24±2dBm, 6M-27±2dBm 802.11n HT20: MCS7\23±2dBm, MCS0\25±2dBm 802.11n HT40: MCS7\22±2dBm, MCS0\25±2dBm 802.11ac HT80: MCS9\21±2dBm, MCS0\23±2dBm
	Receiver Sensitivity	802.11a: 54M\ -72dBm; 6M\ -90dBm 802.11n HT20: MCS7\ -70dBm; MCS0\ -88dBm 802.11n HT40: MCS7\ -68dBm; MCS0\ -86dBm 802.11ac HT80: MCS9\ -58dBm、MCS0\ -85dBm
	EVM	802.11a_54M: ≤ -25 dB 802.11n_MCS7: ≤ -28 dB 802.11ac_MCS9: ≤ -32 dB
PPM	±20ppm	
Modulation technology	OFDM : BPSK@6/9Mbps、QPSK@12/18Mbps、 16-QAM@24Mbps、64-QAM@48/54Mbps DSSS : DBPSK@1Mbps、DQPSK@2Mbps、CCK@5.5/11Mbps MIMO-OFDM (11n): MCS 0-15 MIMO-OFDM (11ac): MCS 0-9	
Modulation method	11b: DSS:CCK@5.5/11Mbps,DQPSK@2Mbps,DBPSK@1Mbps 11a/g:OFDM:64QAM@48/54Mbps,16QAM@24Mbps, QPSK@12/18Mbps,BPSK@6/9Mbps 11n: MIMO-OFDM:BPSK,QPSK,16QAM,64QAM 11ac: MIMO-OFDM:BPSK,QPSK,16QAM,64QAM,256QAM	
MAX Transmit Power	25dBm	
Adjustable Granularity	1dBm	

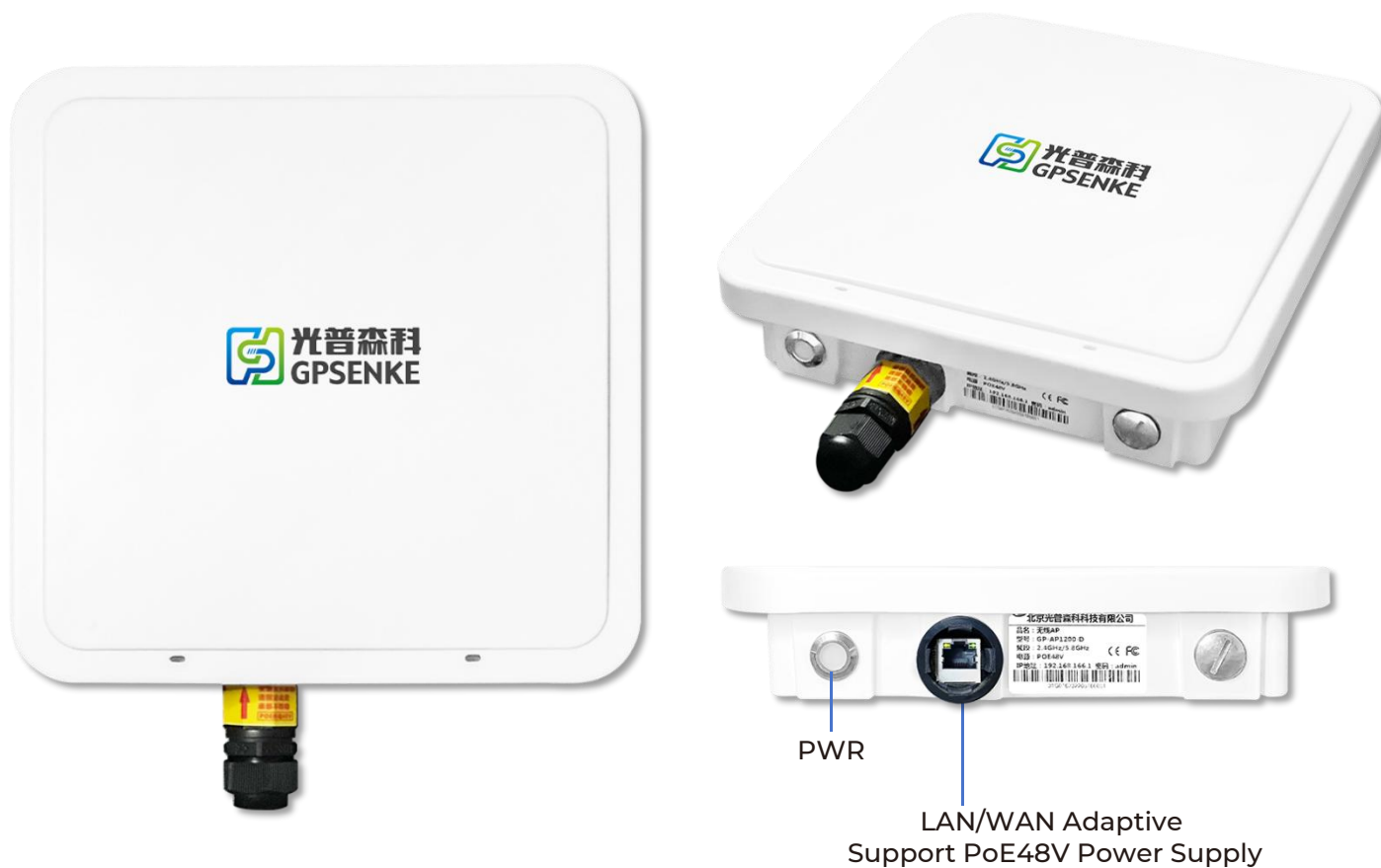
Hardware Parameter

Size	228mm × 228mm × 68mm
Weight	3.19kg
Operating Temperature	-40°C ~ 75°C
Storage Temperature	-40°C ~ 85°C
Operating Humidity	0%~95%(Non-condensing)
IP Protection Level	IP67
Power Supply	Support 802.3at / DC12V Power Supply
Consumption(Client5.8G)	≤18W

Product Design



Appearance & Accessories



Packing*1



Device*1



Accessories*1



Manual*1

Model Selection

Model	GP-AP1200-D
Speed	1167M
Build-in Antenna 10dbi	●
Build-in Antenna 13dbi	●

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