



Industrial Access Point 1167Mbps 802.11ac

GP-AP1200-90D Series



INDUSTRIAL NETWORK SOLUTION SPECIALIST
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Introduction

GP-AP1200-90D 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-AP1200-90D features an integrated directional antenna with a maximum coverage of 500 meters. It features a professional integrated outdoor design with a built-in high-spec lightning protection module, eliminating the need for external lightning protectors. With an IP67 waterproof and dustproof rating and a wide temperature range working capability, it is highly convenient for outdoor installation and debugging. It is widely used in harsh outdoor environments, including extreme temperatures ranging from -40° C to 80° C, as well as high cold, high humidity, and other challenging conditions, ensuring stable operation.

Main Feature

- Support 90° WiFi coverage with 2.4G+5G Dual Band
- Support 120° WiFi coverage with 5G Single Band
- Support 802.11 b / g / n Standard
- Support 802.11 ac Standard and 2-Streams 1167Mbps Speed
- Built-in directional antenna, MAX. wifi coverage up to 500m
- 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	256 (Influenced by Environment Fators)	
	Max Access Spend	2.4GHz: 300 Mbps 5GHz: 867 Mbps	
Working Mode	RTS/CTS	Support	
	CTS-to-self	Support	
	Hidden SSID	Support	
	Terminal Aging/Heartbeat Detection	Support	
	AP Mode	Bridge Mode (LAY-2) Router Mode (LAY-2)	
RF	Other Mode	Relay Mode/ Gateway Mode/ Wireless ISP Mode	
	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

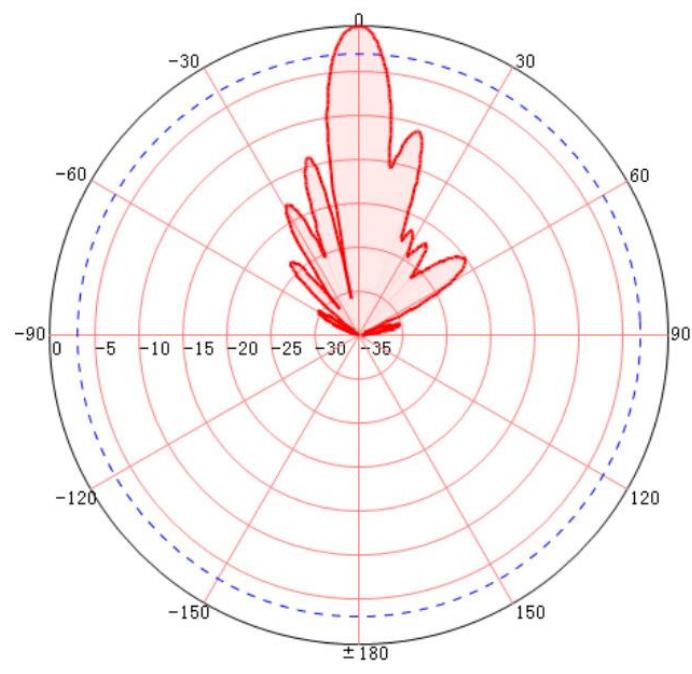
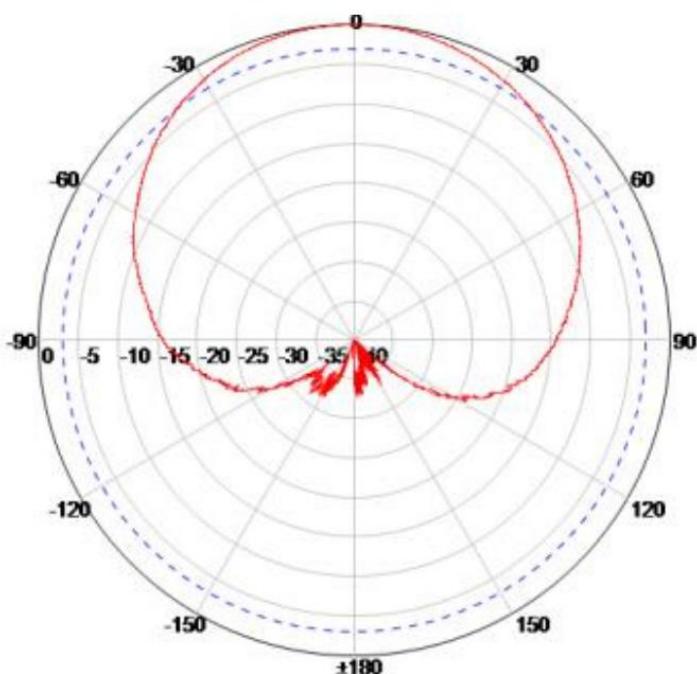
Hardware Parameter

Size			230mm × 509mm × 40mm
Weight			3.19kg
Port	Ethernet	1 × 10/100/1000Base-T PoE/RJ45 Port Adaptive (Support PoE)	
	Antenna	2.4GHz: 13dBi 5.8GHz: 16dBi	Horizontal: 90° ±10° , Vertical: 20° ±3° Horizontal: 90° ±10° , Vertical: 10° ±3°
Working Band	2.4G	802.11b/g/n : 2.4GHz-2.483GHz (CHINA)	
	5G	802.11ac/n/a: 5.150GHz-5.350GHz 5.725GHz-5.850GHz (CHINA)	

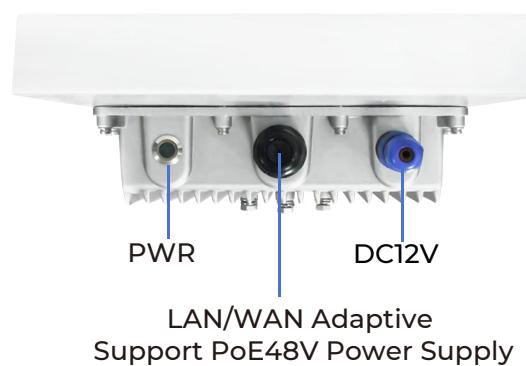
Hardware Parameter

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
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

Direction



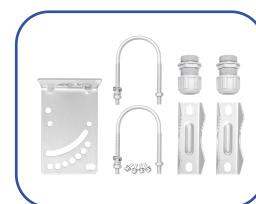
Appearance & Accessories



Packing*1



Device*1



Accessories*1



Manual*1

Model Selection

Model	GP-AP1200-90D	GP-AP1200-120D
Band & Speed	2.4G + 5G Dual Band 1167Mbps	5G Single Band 867Mbps
Angle	90°	120°
Build-in Antenna 13dbi	Antenna-integrated Wireless Base Station AP	

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