



# Industrial Access Point 1167Mbps 802.11ac

**GP-API200-90D Series**



INDUSTRIAL NETWORK SOLUTION SPECIALIST  
[WWW.GPSENKE.COM](http://WWW.GPSENKE.COM)



# Introduction

GP-API200-90D 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-API200-90D 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<br>5GHz: 867 Mbps  |         |
|              | RTS/CTS                            | Support   |         |
|              | CTS-to-self                        | Support   |         |
|              | Hidden SSID                        | Support   |         |
|              | Terminal Aging/Heartbeat Detection | Support   |         |
| Working Mode | AP Mode                            | Bridge Mode (LAY-2)<br>Router Mode (LAY-2)                                |         |
|              | 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<br>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   |

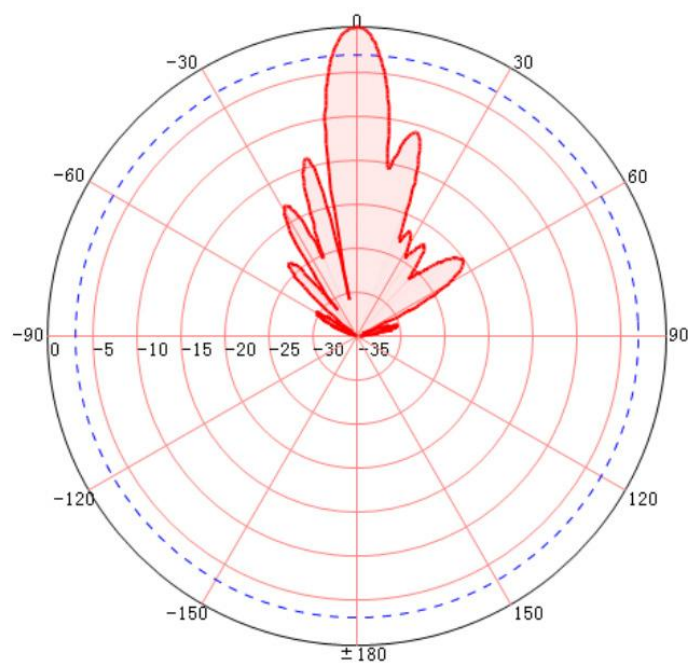
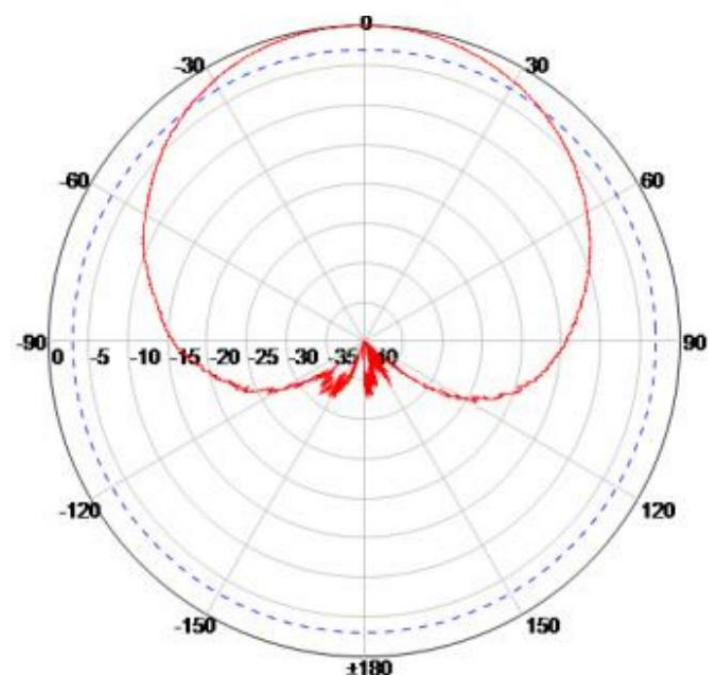
## Hardware Parameter

|              |          |   |  |
|--------------|----------|---|--|
| Size         |          | 230mm × 509mm × 40mm  |  |
| Weight       |          | 3.19kg  |  |
| Port         | Ethernet | 1 × 10/100/1000Base-T PoE/RJ45 Port Adaptive (Support PoE)    |  |
|              | Antenna  | 2.4GHz: 13dBi<br>5.8GHz: 16dBi                                | Horizontal: 90° ±10° , Vertical: 20° ±3°<br>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<br>5.725GHz-5.850GHz ( CHINA) |  |

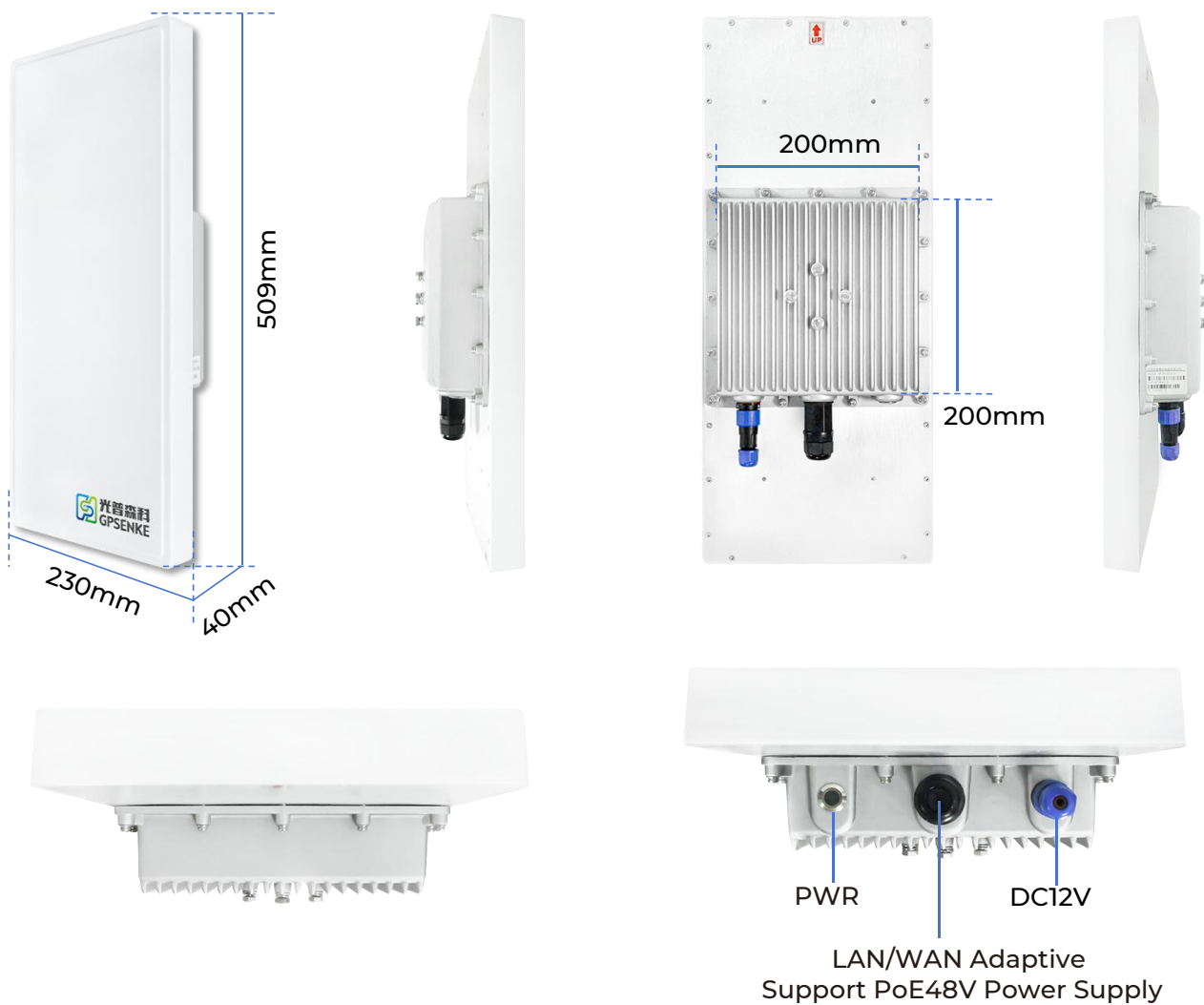
## Hardware Parameter

|                         |  |
|-------------------------|--|
| Modulation technology   | OFDM : BPSK@6/9Mbps、QPSK@12/18Mbps、<br>16-QAM@24Mbps、64-QAM@48/54Mbps<br>DSSS : DBPSK@1Mbps、DQPSK@2Mbps、CCK@5.5/11Mbps<br>MIMO-OFDM (11n): MCS 0-15<br>MIMO-OFDM (11ac): MCS 0-9                                   |
| Modulation method       | 11b: DSS:CCK@5.5/11Mbps,DQPSK@2Mbps,DBPSK@1Mbps<br>11a/g:OFDM:64QAM@48/54Mbps,16QAM@24Mbps,<br>QPSK@12/18Mbps,BPSK@6/9Mbps<br>11n: MIMO-OFDM:BPSK,QPSK,16QAM,64QAM<br>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



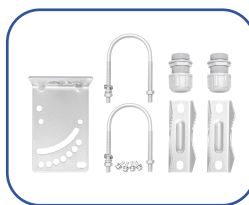
## Appearance & Accessories



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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