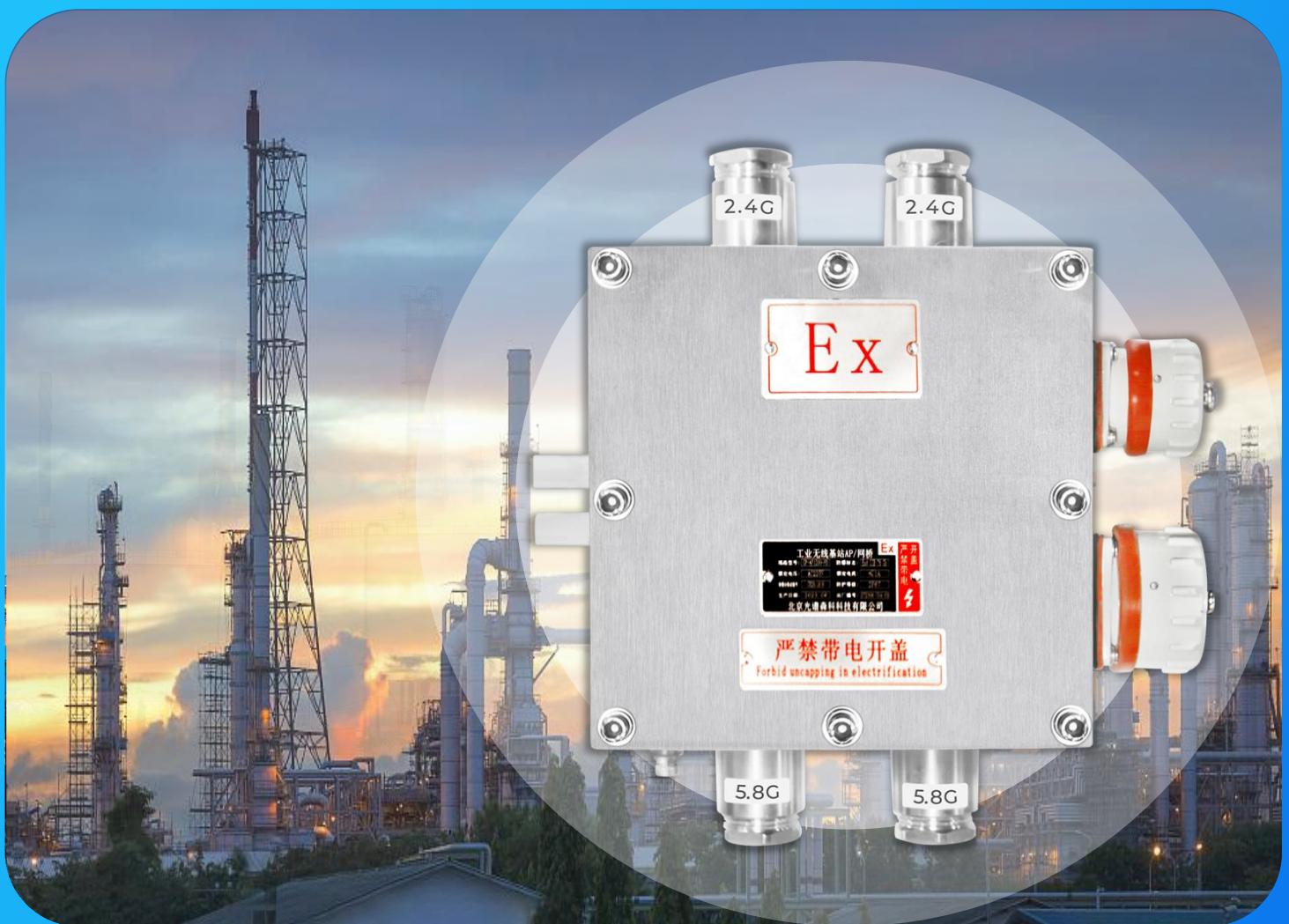




# Ex Dual-Mode Split AP 1167Mbps 2.4/5GHz

**GP-AP1200-FB Series**



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



# Introduction

GP-AP1200-FB Series is a high-bandwidth, high-speed Explosion-Proof (Ex) wireless access point. It utilizes the IEEE 802.11a/b/g/n/ac standards, supporting dual-band operation at 2.4GHz and 5GHz with data rates up to 1167Mbps.

GP-AP1200-FB Series designed with Qualcomm chipset with dual-mode split, it supports Gigabit Ethernet. The access point features OFDMA, UL, MU-MIMO, and 1024QAM, providing low power consumption, strong concurrency, numerous standby users, strong penetration, and wider coverage advantages.

GP-AP1200-FB Series features EXDIIBT6GB / EXDIICT6GB explosion-proof standard casing and waterproof treatment, achieving an IP67 protection rating. It ensures stable operation in environments with dust, high-risk, and flammable or explosive conditions which makes it ideal for wireless network coverage in oil& gas, refinery, petrochemical sites, underground utility tunnels and similar settings.

## Main Feature

- Explosion-Proof ( Ex ) Protection Design
- Support EXDIIBT6GB / EXDIICT6GB
- Support 1\*Gigabit RJ45 Ethernet Port
- Support 802.11 ac standard with 2-Stream, speed up to 1167Mbps
- Support OFDMA (Orthogonal Frequency Division Multiple Access)
- Support 1024-QAM to increase capacity, reduce latency, and improve Wi-Fi efficiency
- Support 4×4 MU-MIMO
- Support BSS(Basic Service Set) Color
- Support TWT (Target Wake Time)
- Support IPv4/IPv6
- Support Open System, Shared Key, WPA, WPA-PSK, WPA2-Enterprise, WPA2-PSK

## Software Parameter

WLAN	Frequency Band	2.4GHz	5GHz
	Channel Bonding	40MHz(Not Recommend)	80MHz
	MU-MIMO	Support	Support
	OFDMA	Support	Support
	TWT	Support	Support
	867Mbps(PHY)	NA	Support
	300Mbps(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: 300Mbps 5GHz: 867Mbps	
Working Mode	RTS/CTS	Support	
	CTS-to-self	Support	
	Hidden SSID	Support	
	Terminal Aging/Heartbeat Detection	Support	
	AP Mode	Bridge Mode (LAY2) Router Mode (LAY3)	
RF	Client Mode	Support Client Mode Support MAC Address Clone	
	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	

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

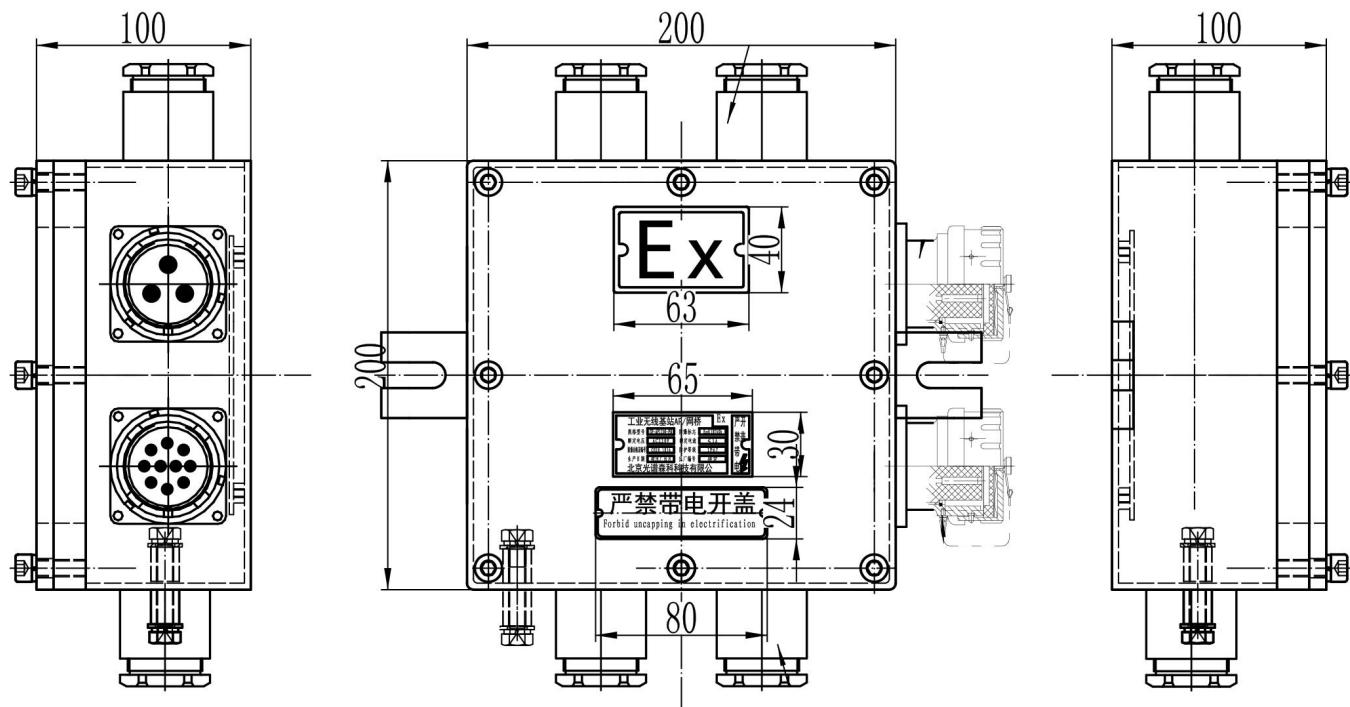
## RF Parameter

Working Band	2.4G Band	802.11 n/g/b: 2.4GHz-2.483GHz ( CHINA )
	2.4G Protocol	802.11 b / g / n
	5G Band	802.11 ac/n/a: 5.150GHz-5.350GHz 5.725GHz-5.850GHz ( CHINA )
	5G Protocol	802.11 a / n / ac
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/ac wave2: MIMO-OFDM:BPSK,QPSK,16QAM,64QAM,256QAM
MAX Transmit Power	25dBm	
Adjustable Granularity	1dBm	

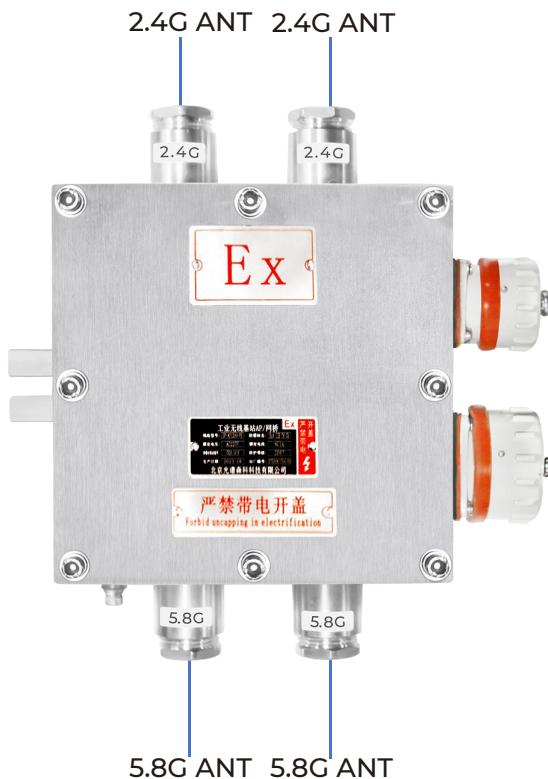
## Hardware Parameter

<b>Size</b>		200mm×200mm×100mm
<b>Weight</b>		Device: 9Kg, With Explosion-Proof Antenna & Wood Case Package:15Kg
<b>Port</b>	WAN	1× 10/100/1000Base-T RJ45 Port WAN/LAN Adaptive
	Antenna	2 × 6dBi 2.4G Antenna (External E.X. Antenna--Optional) 2 × 6dBi 5G Antenna (External E.X. Antenna--Optional)
<b>Operating Temperature</b>		-40°C ~ 80°C
<b>Storage Temperature</b>		-40°C ~ 80°C
<b>Operating Humidity</b>		0%~95% ( Non-condensing)
<b>Power Supply</b>		AC220 Power Supply
<b>Consumption(Client5.8G)</b>		≤18W
<b>Protection Standard</b>		ExdIIIBT6GB IP67 Protection
<b>MTBF</b>		>250000H

## Size Design



## Appearance & Accessories



Wooden Fixed Box\*1



Device\*1



Ex Fibre-Glass Antenna\*4



Accessories



Manual\*1

## Model Selection

Model	GP-AP1200-FB-Q-B	GP-AP1200-FB-Q-C	GP-AP1200-FB-D-B	GP-AP1200-FB-D-C
Speed			1167M	
Omnidirectional Antenna	●			○
Directional Antenna	○			●
EXDIIBT6GB (B)	●	○	●	○
EXDIICT6GB (C)	○	●	○	●

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