

M12 Rail Transit AP 2.4G+5.8G 1200Mbps

GP-XD1200TM Series



Introduction

GP-XD1200TM is a dual-band industrial-grade wireless AP designed for rail transit. It supports 802.11a/b/g/n/ac standards and uses 2T2R MIMO technology, delivering up to 1200Mbps bandwidth with simultaneous 2.4GHz and 5.8GHz operation.

GP-XD1200TM provide two modules, one module supports 802.11b/g/n (2.4GHz, max 1000mW), and the other supports 802.11a/n/ac (5.8GHz, max 500mW). The 5GHz band offers lower interference and better stability, ensuring high-quality wireless transmission.

GP-XD1200TM is powered by Qualcomm chipset, it features strong anti-interference, high capacity, and stable performance. It supports fat/thin AP modes, graphical configuration, and functions like SSID management, client limits, VLAN, QoS, and WDS. Built with industrial-grade components and a flame-retardant, dustproof IP54 housing, it ensures reliable operation in harsh rail environments.

Main Feature

- Support 802.11a/b/g/n/ac Standard
- Support Max. 1200Mbps whole device speed
- Support AP FAT and AP FIT Switching
- Support 4×4 MU-MIMO
- Support 4×SSID
- Support Open System, WPA, WPA-PSK, WPA2-Enterprise, WPA2-PSK
- Support M12 Gigabit RJ45 Ethernet
- Support DC12V Power Supply
- Support Diversified Access Authentication Methods
- Support IP54 Protection

Technical Parameter

Product Model	GP-XD1200TM				
CPU	IPQ5018+QCN6102+QCA8337				
Flash	16MB				
DDR	128MB				
PA_2.4G	SKY65174-21				
PA_5.8G	SKY85405				
Max. User	128+				
2.4G Working Band	2.4GHz – 2.484GHz				
2.4G WiFi Protocol	802.11 b / g / n				
5G Working Band	5.150GHz ~ 5.850GHz				
5G WiFi Protocol	802.11 a / n / ac				
2.4G Wireless Power	802.11b	11M	27±2dBm	1M	29±2dBm
	802.11g	54M	26±2dBm	6M	27±2dBm
	802.11n HT20	MCS7	25±2dBm	MCS0	27±2dBm
	802.11n HT40	MCS7	25±2dBm	MCS0	27±2dBm
5G Wireless Power	802.11a	54M	22±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	25±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	25±2dBm
	802.11ac HT80	MCS9	19±2dBm	MCS0	23±2dBm
2.4G 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
5G 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
2.4G EVM	802.11b_11M: ≤ -10 dB ; 802.11g_54M: ≤ -25 dB ; 802.11n_MCS7: ≤ -28dB				
5G EVM	802.11a_54M: ≤ -25 dB ; 802.11n_MCS7: ≤ -28 dB ; 802.11ac_MCS9: ≤ -32 dB				
PPM	±20ppm				

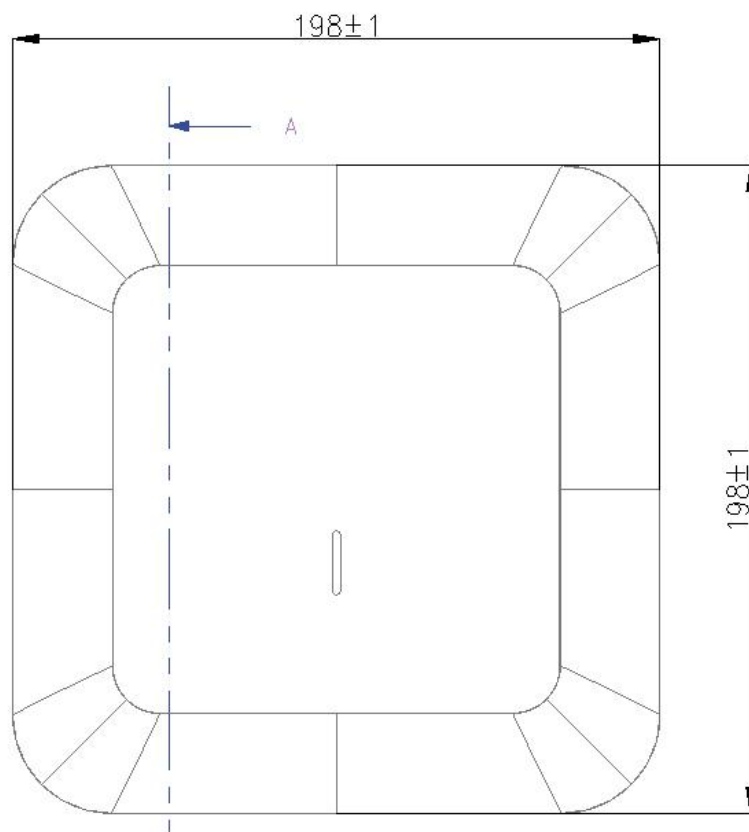
Hardware Parameter

Size	198mm×198mm×32mm
Weight	0.55kg
Ethernet	1* M12 10/100/1000M Adoptive WAN/LAN
Antenna	2.4G Omni Antenna, Gain: 5dBi , 5G Omni Antenna, Gain: 5dBi
Reset	Reset×1 (6~ 10 seconds Long press to restore factory default configuration)
Power	DC 12V
Consumption	≤18W
Status Indicator	WAN Port , LAN Port, System indicator 2.4G WiFi indicator, 5G WiFi indicator
Operating Temperature	-40°C ~ 80°C
Storage Temperature	-45°C ~ 85°C
Operating Humidity	5%~95%(Non-condensing)
Protection	IP54 Protection
Shell Design	Flame-retardant housing, electromagnetic shielding, dust-proof, shock-proof and fanless heat dissipation design

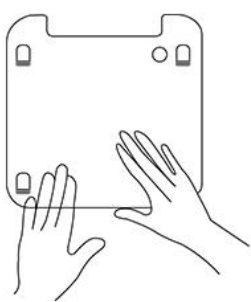
Software Parameter

Working Mode	AP (Fat & Fit) , Universal Repeater, Gateway mode, Wireless ISP mode
Wireless Function	Support SSID SSID number: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID Support Hide SSID Wireless encryption: OPEN, WPA/WPA2PSK-TKIPAES, WPA3PSK-TKIPAES Wireless MAC Address Filtering: Supports Whitelist WiFi Scheduled On/Off Multicast Acceleration Support User Isolation: Inter-SSID Isolation, Intra-AP Isolation Transmit Power Adjustment Wireless Client Limit
Network Function	VLAN Setup, DHCP Server , Cloud Server
Management	Backup Configuration, Restore Configuration, Restore Factory Settings Reboot (including Scheduled and Immediate Reboot) Firmware Upgrade Time Management (System Time Display and Time Synchronization) System Logs Support for Local Centralized Management

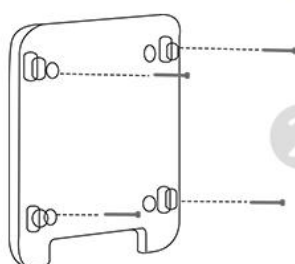
Product Design & Installation Method



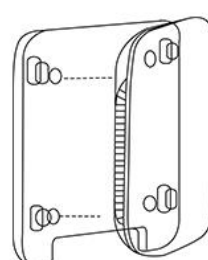
Wall mounting



1

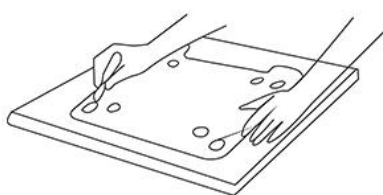


2

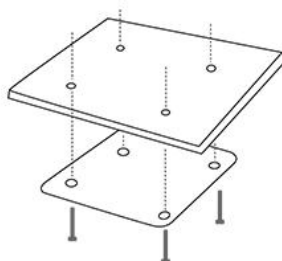


3

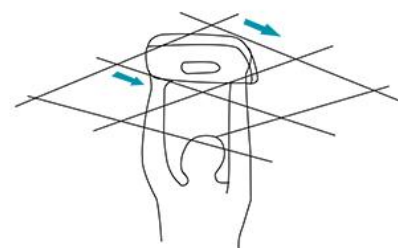
The suction top installation



1



2



3

Appearance & Accessories



Packing*1



Device*1



Ceiling/Wall Mount*1



Accessories



Warranty*1

Model Selection

Model	Speed	Network Port	Power
GP-XD1200TM	1200Mbps	1*M12 10/100/1000Mbps LAN/WAN	DC12V

Note: For customized power supply requirements, please contact our company for tailored solutions.

INDUSTRIAL NETWORK SOLUTION SPECIALIST



© GPSENKE(CHINA) | All rights reserved.
Update Time: 2024.6.1

This document and any part thereof may not be reproduced or used in any manner without the express written permission of GPSENKE (China).
Product specifications are subject to change without prior notice. Please visit our website for the latest product information.