GENATA

ITOONER
Idea Transmission Navigator

Outdoor AP 2.4G + 5.8G

Model: GNT-AP1300GF



Product Overview:

GNT-AP1300GF is a high-performance, high-speed dual-band Wi-Fi 6 outdoor product. It provides dual-band wireless service on 2.4GHz and 5.8GHz bands, offering a maximum access rate of up to 574 Mbps on the 2.4GHz band and 2402 Mbps on the 5GHz band.

Main Features:

- Offers superior transmission quality and higher data rates, with a maximum concurrent device throughput of up to 3000 Mbps.
- Utilizes the IPQ5018 chipset, supports 160MHz bandwidth, greatly expanding user capacity to support 120+ concurrent users.
- The heatsink employs a snap-fit structural design and a special surface coating for ideal thermal dissipation.
- The RF section uses high-power external FEMs (Front-End Modules), ensuring stable performance, wide wireless coverage, and longer transmission distances.

Hardware:

Model	GNT-AP1300GF				
CPU	IPQ5018 + QCN6102+ QCA8081				
Flash	SPI NOR 8MB SPI NAND 128MB				
DDR3	512MB*1				
2.4G working frequency	2.4GHz ~ 2.484GHz				
2.4G WIFI protocol	802.11 b / g / n / ac / ax				
5G working frequency	5.150GHz ~ 5.825GHz				
5G WIFI protocol	802.11 a / n / ac / ax				
External 2.4G	2*2.4G: 5dBi				
External 5G	2*5.8G: 5dBi				
Max rate	2.4G: 574Mbps; 5G: 2402Mbps				
2.4G TX Power	802.11b	11M	26±2dBm	1M	26±2dBm
	802.11g	54M	23±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	24±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	24±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	24±2dBm
5G TX Power	802.11a	54M	22±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	23±2dBm
	802.11n HT40	MCS7	21±2dBm	MCS0	23±2dBm
	802.11ac VHT20	MCS9	21±2dBm	MCS0	23±2dBm
	802.11ac VHT40	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ac VHT80	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE80	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE160	MCS11	20±2dBm	MCS0	22±2dBm
2.4G Rx Sensitivity	802.11b	11M	-87dBm	1M	-94dBm

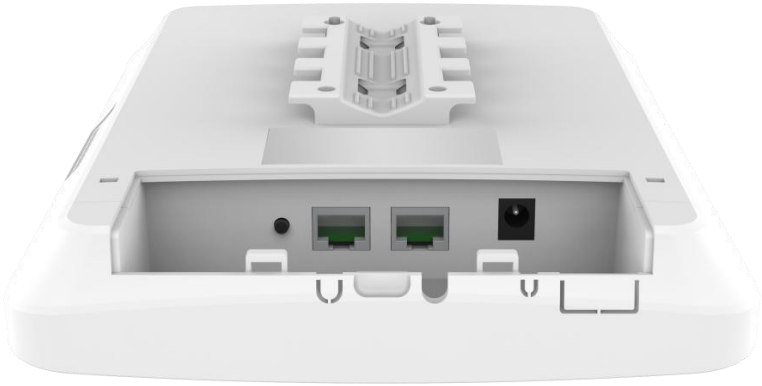
	802.11g	54M	-75dBm	6M	-88dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-63dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-61dBm	MCS0	-88dBm
5G Rx Sensitivity	802.11a	54M	-75dBm	6M	-90dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac VHT20	MCS8	-67dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-64dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-61dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-51dBm	MCS0	-82dBm
2.4G EVM	802.11b:≤-10 dB；802.11g: ≤-25 dB；802.11n:≤-28 dB; 802.11ax:≤-35 dB				
5G EVM	802.11a:≤-25 dB；802.11n: ≤-28 dB；802.11ac:≤-32 dB; 802.11ax:≤-35 dB				
ppm	±20ppm				
WAN	1*10/100/1000/2500M support 48V POE				
LAN	1*10/100/1000M LAN Port				
Reset	Reset to factory settings by pressing 6-10 seconds				
Indicators	WiFi: Green steady on when either 2.4G/5G is enabled, blinks during data activity, off when disabled. LAN: Gigabit LAN indicator (green: off when disconnected, steady on when connected, blinks during data activity). WAN: Gigabit WAN indicator (green: off when disconnected, steady on when connected, blinks during data activity). SYS: System LED, blinks when system is operational. PWR: Power LED (green steady on when powered; off when not powered).				
Power	DC 12V/2A (2.0mm jack), PoE 802.3at.				
Max Power Consumption	<22W				

Dimension	230mm × 180mm × 47.1mm
Weight	0.85kg
Temperature	Working: -30°C to 55°C； Storage: -40°C to 70°C； Humidity: 5% ~ 95%(Non-Condensing)
IP Grade	IP65
ESD	Air:±15K, Touch:±8K
Electrical Surge	Common Mode: 4K, Differential Mode: 2K

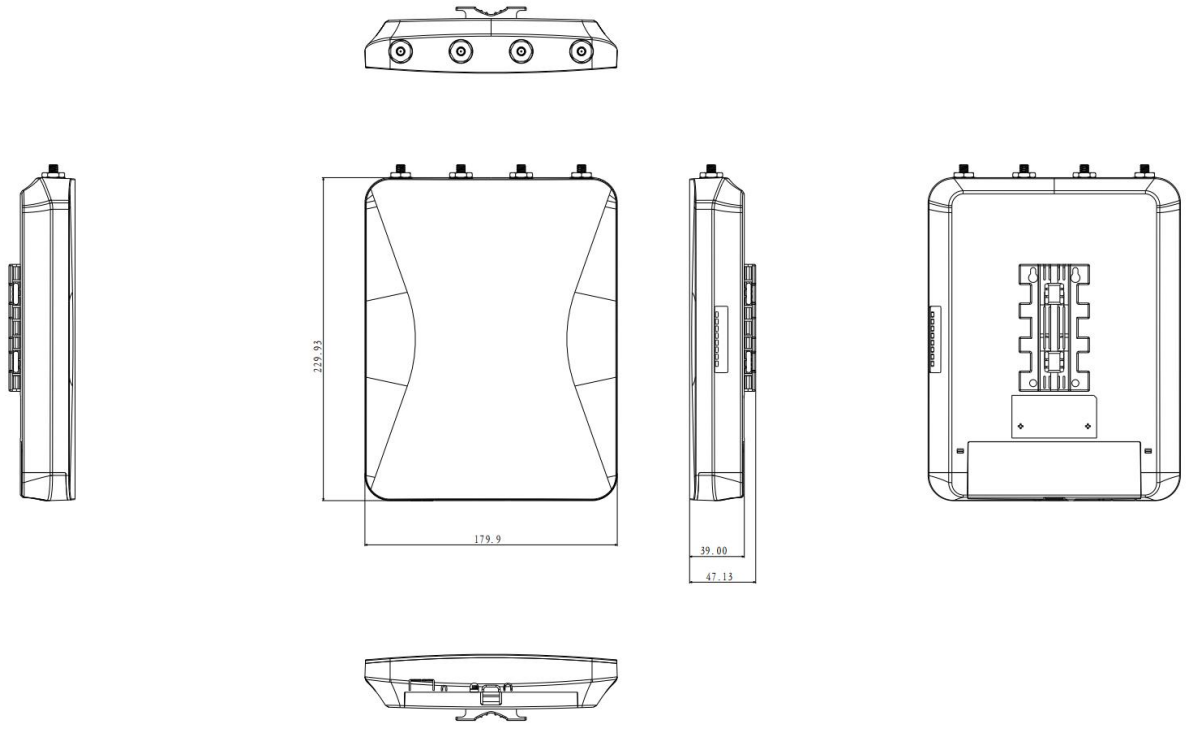
Firmware:

Dashboard	Operation Mode: Fat AP mode and Fit AP mode. Wireless AP download/upload speed, uptime. Device information, description, LAN info, Wi-Fi status.
Supported Modes	Gateway Mode:** Connects to WAN via static IP, DHCP, or PPPoE. AP Mode:** Provides wireless coverage, connecting to an upstream router via Ethernet.
Wireless Features	SSID Broadcast. SSID Quantity:** 4 (2.4GHz) + 4 (5GHz), supports Chinese SSID. Hide SSID. Wireless Security:** OPEN, WPA/WPA2-PSK (TKIP/AES). Wireless MAC Filter (whitelist). Wi-Fi Schedule. Client Isolation (inter-SSID & intra-AP). TX Power adjustment. Client Limit. QoS:** WMM.
Network Features	**Connection Type:** Static IP, DHCP from server/gateway. DHCP Server:** Built-in or external. Cloud platform server support. Firewall. PPPoE dial-up support.
Device management	Configuration backup/restore. Factory reset. Reboot (scheduled/instant). Firmware upgrade. Time management & synchronization. System logs. Fat/Fit AP mode switch.

Interface:



Dimension:



Packing:

AP	1
Mounting Clamps	2
Power Adapter	1
Ethernet Cable	1