GENATA

ITOONER
Idea Transmission Navigator

Outdoor AP 2.4G + 5.8G PoE Power Wi-Fi 6

Model: GNT-AP3000GF



Product Overview:

GNT-AP3000GF is an entry-level dual-band 802.11ax outdoor wireless access point, providing 2.4GHz and 5.8GHz dual-band wireless services. It delivers a maximum access rate of 574Mbps on 2.4GHz and 2402Mbps on 5GHz.

Key Features:

- Dual-band concurrent operation, with a maximum combined wireless rate of nearly 3000Mbps.
- Supports both 48V PoE and 12V DC power supply.
- Equipped with high-gain dual-band antennas for wide coverage.
- Small and stylish, easy to install.
- Low power consumption.

※Specifications subject to change without notice

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Hardware:

Model	GNT-AP3000GF				
CPU	MT7981B+MT7976CN+7531AE				
Flash	SPI Nor 16MB				
DDR3	256MB				
2.4G frequency	2.4GHz ~ 2.484GHz				
2.4G WIFI protocol	802.11 b / g / n / ax				
5G frequency	5.150GHz ~ 5.850GHz				
5G WIFI protocol	802.11 a / n / ac / ax				
Antenna	2 × external dual-band (2.4GHz/5GHz) waterproof antennas: 5dBi				
Max rate	2.4G 574 Mbps MIMO 2*2, 5G 2402Mbps MIMO 2*2				
2.4GHz tx power	802.11b	11M	23±2dBm	1M	23±2dBm
	802.11g	54M	19±2dBm	6M	21.5±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
	802.11ax HT20	MCS11	16.5±2dBm	MCS0	20±2dBm
	802.11ax HT40	MCS11	16.5±2dBm	MCS0	20±2dBm
5GHz tx power	802.11a	54M	20±2dBm	6M	22.5±2dBm
	802.11n HT20	MCS7	19±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	19±2dBm	MCS0	21±2dBm
	802.11ac HT20	MCS8	18.5±2dBm	MCS0	21±2dBm
	802.11ac HT40	MCS9	18.5±2dBm	MCS0	21±2dBm
	802.11ac HT80	MCS9	18±2dBm	MCS0	20.5±2dBm
	802.11ax HT20	MCS11	17.5±2dBm	MCS0	21±2dBm
	802.11ax HT40	MCS11	17.5±2dBm	MCS0	21±2dBm
	802.11ax HT80	MCS11	17±2dBm	MCS0	20.5±2dBm
	802.11ax HT160	MCS11	15.5±2dBm	MCS0	19±2dBm
2.4GHz Rx sensitivity	802.11b	11M	-87dBm	1M	-96dBm
	802.11g	54M	-75dBm	6M	-93dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-89dBm

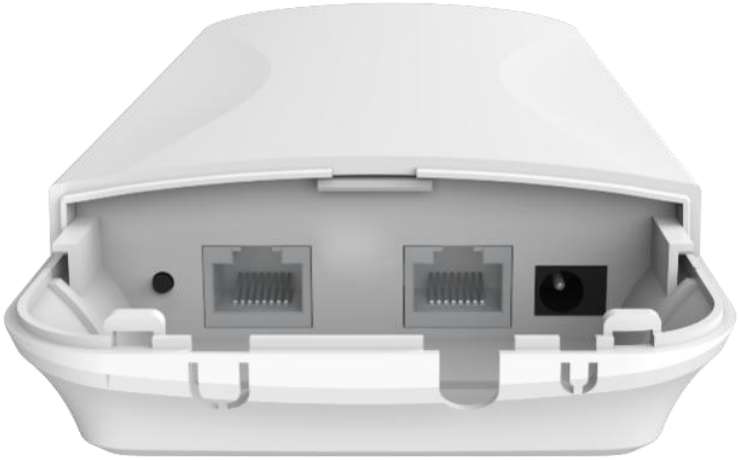
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	802.11ax HT20	MCS11	-64dBm	MCS0	-92dBm
	802.11ax HT40	MCS11	-61dBm	MCS0	-89dBm
5GHz Rx sensitivity	802.11a	54M	-74dBm	6M	-92dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-87dBm
	802.11ac HT20	MCS8	-67dBm	MCS0	-91dBm
	802.11ac HT40	MCS9	-63dBm	MCS0	-88dBm
	802.11ac HT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HT20	MCS11	-62dBm	MCS0	-91dBm
	802.11ax HT40	MCS11	-59dBm	MCS0	-89dBm
	802.11ax HT80	MCS11	-56dBm	MCS0	-86dBm
	802.11ax HT160	MCS11	-53dBm	MCS0	-83dBm
2.4GHz EVM	802.11b:≤-10 dB; 802.11g:≤-25 dB; 802.11n:≤-28dB ; 802.11ax: ≤-35 dB				
5GHz EVM	802.11a:≤-25 dB; 802.11n:≤-28 dB; 802.11ac:≤-32 dB ; 802.11ax:≤-35 dB				
ppm	±20ppm				
WAN	1*10/100/1000M RJ45, support 48V PoE				
LAN	1*10/100/1000M LAN				
DC	12V/1A DC				
POE （WAN）	802.3at				
Reset	Reset to factory settings by pressing 6-10 seconds				
Indicators	PWR, WAN, LAN, 2.4G, 5.8G				
Power	< 10W				
Dimension	196mm*86mm*40mm				
Weight	0.4kg				
Temperature	Working: -30°C to 55°C； Storage: -40°C to 70°C； Humidity: 5% ~ 95%(Non-Condensing)				
Protection Grade	IP65				
ESD	Air:±8K, Touch:±6K				
Electrical Surge	Common Mode: 2K, Differential Mode: 1K				

Firmware:

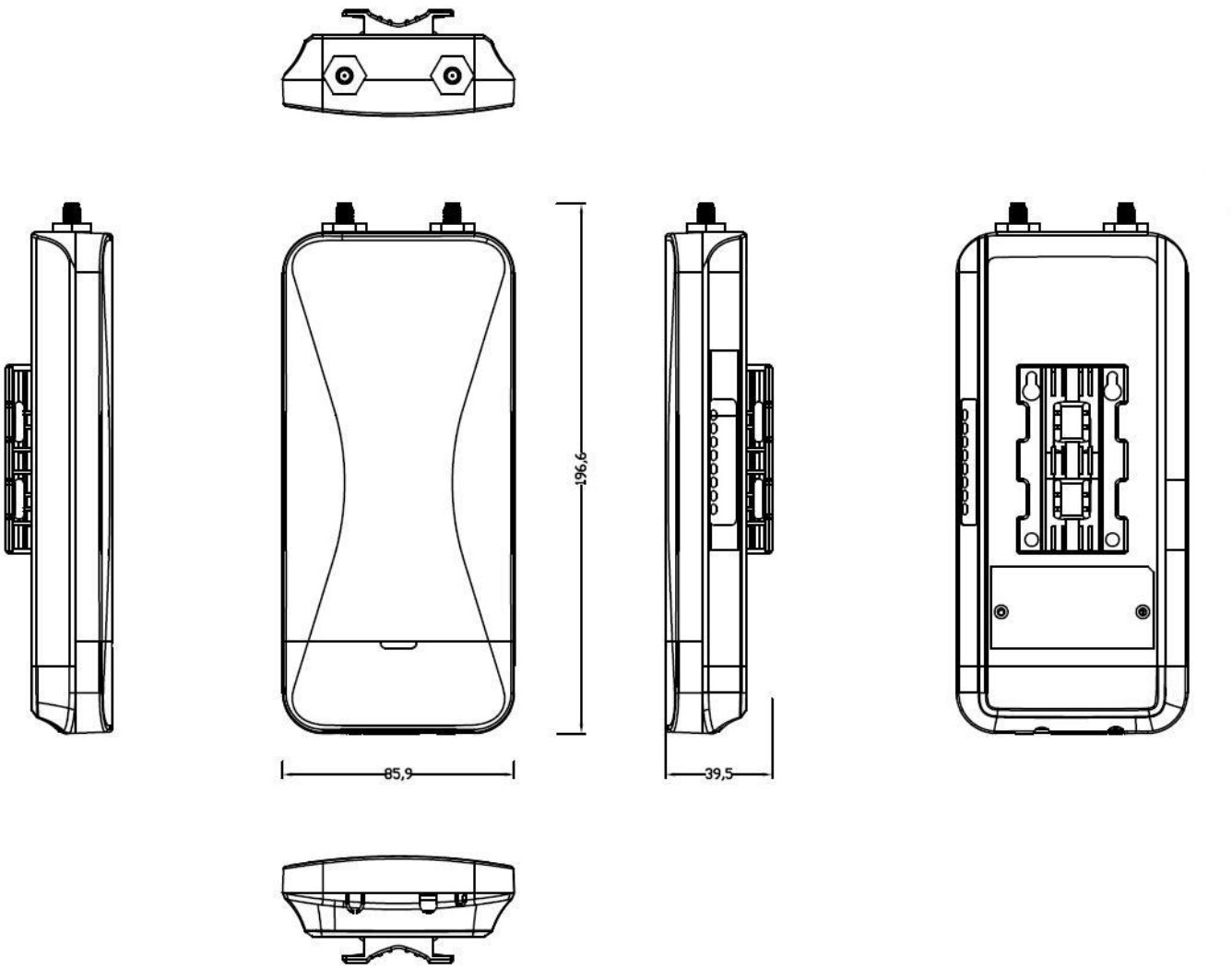
Dashboard	Operation Mode: Fat AP mode and Fit AP mode. Wireless AP download/upload speed, uptime. Device information, description, LAN info, Wi-Fi status.
Supported Modes	Gateway Mode: Connects to WAN via static IP, DHCP, or PPPoE. AP Mode: Provides wireless coverage, connecting to an upstream router 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:



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Dimension:



Packing List:

AP	1
Antenna	2
Mounting Accessories	1