GENATA

ITOONER
Idea Transmission Navigator

11ax 1800Mbps Ceiling Wireless AP

Model: GNT-AP690



Short Specification

GNT-AP690 is a high-performance, high-speed indoor 11ax dual-band ceiling AP. 2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 1201Mbps.

Key Features

- It has better transmission quality, higher transmission rate, and a maximum concurrent speed of 1775Mbps for the entire machine.
- Support hardware watchdog function, automatic recovery of abnormal devices, no maintenance required.
- Elegant appearance design, hidden port housing, and beautiful wiring.
- Both 48V PoE and DC 12V power supply modes are supported.

※Specifications subject to change without notice

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Hardware Specification

Model	GNT-AP690				
CPU	MT7621AT+MT7905N+MT7975DN				
Flash	SPI NOR 16MB				
DDR3	256M				
2.4G Band	2.4GHz ~ 2.484GHz				
2.4G WIFI protocol	802.11 b / g / n /ax				
5G Band	5.150GHz ~ 5.850GHz				
5G WIFI protocol	802.11a/n/ac/ax				
2.4G Antenna	Built in two 2.4G antennas, each with a gain of 4.6dBi				
5G Antenna	Built in two 5G antennas, each with a gain of 4dBi				
Maximum rate	2.4G up to 574Mbps, 5G up to 1201Mbps				
2.4G Tx power	802.11b	11M	22±2dBm	1M	22±2dBm
	802.11g	54M	19±2dBm	6M	20±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
	802.11ax HT20	MCS11	15±2dBm	MCS0	20±2dBm
	802.11ax HT40	MCS11	15±2dBm	MCS0	20±2dBm
5G Tx power	802.11a	54M	18±2dBm	6M	20±2dBm
	802.11n HT20	MCS7	17±2dBm	MCS0	19±2dBm
	802.11n HT40	MCS7	17±2dBm	MCS0	19±2dBm
	802.11ac HT20	MCS7	16±2dBm	MCS0	19±2dBm
	802.11ac HT40	MCS7	16±2dBm	MCS0	19±2dBm
	802.11ac HT80	MCS9	16±2dBm	MCS0	19±2dBm
	802.11ax HT20	MCS11	15±2dBm	MCS0	19±2dBm
	802.11ax HT40	MCS11	15±2dBm	MCS0	19±2dBm
	802.11ax HT80	MCS11	15±2dBm	MCS0	19±2dBm
2.4G Receiving sensitivity	802.11b	11M	-82dBm	1M	-88dBm
	802.11g	54M	-72dBm	6M	-88dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-85dBm

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	802.11ax HT20	MCS11	-60dBm	MCS0	-88dBm
	802.11ax HT40	MCS11	-56dBm	MCS0	-85dBm
5G Receiving sensitivity	802.11a	54M	-72dBm	6M	-89dBm
	802.11n HT20	MCS7	-71dBm	MCS0	-89dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
	802.11ac HT20	MCS7	-66dBm	MCS0	-89dBm
	802.11ac HT40	MCS7	-60dBm	MCS0	-86dBm
	802.11ac HT80	MCS9	-57dBm	MCS0	-83dBm
	802.11ax HT20	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HT40	MCS11	-55dBm	MCS0	-85dBm
	802.11ax HT80	MCS11	-52dBm	MCS0	-82dBm
2.4G EVM	802.11b:≤-10 dB; 802.11g:≤-25 dB; 802.11n:≤-28dB ; 802.11ax: ≤-35 dB				
5G EVM	802.11a:≤-25 dB; 802.11n:≤-28 dB; 802.11ac:≤-32 dB ; 802.11ax:≤-35 dB				
frequency deviation (ppm)	±20ppm				
Port (WAN)	1*10/100/1000M，support 48V POE				
Port（LAN)	1*10/100/1000M				
Reset Button	reset（Long press for 6-10 seconds to restore factory default configuration)				
LED	Tricolor lamp（Three different colors represent：sys-Red，2.4G-Green，5.8G-Blue)				
Supply	DC2.0 12V ⎓ 1.5A，PoE 802.3af				
Consumption	< 15W				
Size	186mm × 186mm ×36mm				
Height	0.4kg				
Environment	Operating temperature-10°C to 40°C；Storage temperature: -40°C to 70°C；humidity：5%～95%（No condensation)				
ESD	Air +/-8K， Contact +/-4K				

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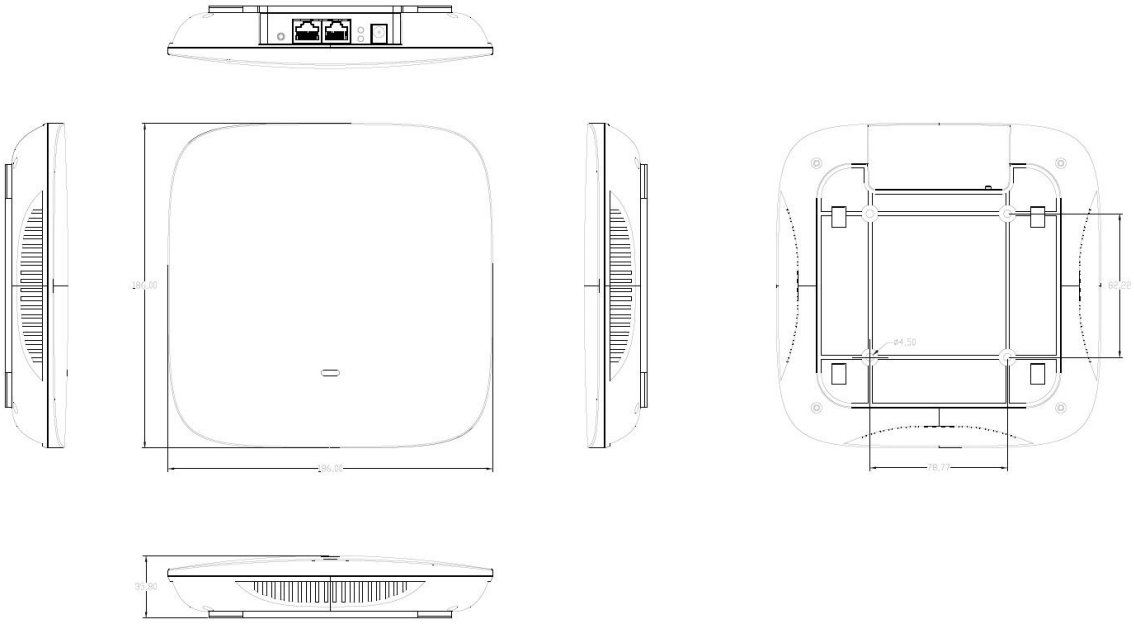
Firmware Specification

Working Mode	Gateway, AP
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming, 802.11kvr standard.
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, 802.1x
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Support user quantity limited, Max 64 users to access each band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4

Interface



Dimension:



Packing List

AP	1
Lan cable	1
Mounting Accessories	1
Gift Box	1