GTB6L

802.11a/n/ac Outdoor dual band wireless base station

TDMA+

Intelligent Rate Control

ACK Time-out Adjustment

2x2 MiMo

High Throughput

GPS

Point-to-Multi-Point

Long Distance Coverage

Gigabit Ethernet

Hardware Watchdog

POE+

Release Notes

Date	Version Number	Editor	Change log	Remarks
2020-08-28	V1.0	Guifang	Create	

Product Feature

- Supports 802.11 a/n/ac standard
- The highest transmission rate is 1.7Gbps
- External antenna (optional)
- Built-in VTrans technology, including

  1) TDMA+: eliminate the performance degradation caused by hidden terminals and maximize the wireless transmission efficiency

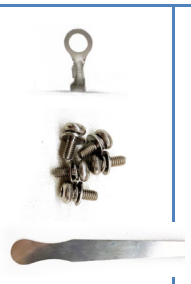
  2) Frequency (channel) expansion function: eliminate interference caused by the same frequency and adjacent frequency through more frequency selection

  3) Band width selection: by adjusting the channel width, the overlapping parts of spectrum can be avoided and the influence of interference by other channels can be reduced

  4) AutoAck function: intelligently calculate the ACK value required for long-distance transmission to achieve the optimal performance at this distance
- Supports bridge and router modes. Network architecture can be flexibly deployed by adjusting the network mode of devices
- It supports GPS simultaneous transmission and reception, which can effectively eliminate co-site interference, so that devices working at the same base station can use the same frequency, effectively saving spectrum resources and exerting equipment performance.
- Support ATPC, automatic power adjustment.
- Intelligent QoS wireless multimedia optimization technology, providing high priority transmission levels for voice and video
- Supports firmware backup, the mechanism can prevent the device from stopping work in extreme conditions
- Supports web page management, making installation and maintenance of equipment more convenient
- Supports wireless controller (AC) management, realize remote centralized configuration and upgrade management
- Supports 802.3at protocol (POE+)
- IP67

*Wireless controller needs to be purchased separately
* Please consult the dealer for the specifications of the optional antenna

Accessory List

					
Main device	Bracket	Hoops	Desktop power supply	Kits	QC

Specifications

Hardware	Dimensions(mm)	277x195x62mm
	Weight(kg)	1.6kg
	Installation	Pole mounting 60mm≤Diameter≤130mm
	Protection Level	IP67
	Power Supply	48V POE+
	Max Power Consumption(W)	15W
	Average Power Consumption(W)	12W
	CPU	IPQ4029
	DDR & Memory	512MB DDR3L，32MB Flash
	Network Interface	1*10/100/1000Mbps、1*1000Base-X SFP
	Indicator light	1*Power、1*GPS、1*5G Radio 0、1*5G Radio1 、1*GE、1*SFP
	Button	1*Reset
	Radio Interface	4*N type connector
	Maximum Transmitted Power	26dBm
	Working Temperature	-40℃~70℃
	Storage Temperature	-40℃~85℃
	Working Humidity	5%~95%RH Non-condensing
	Surge	DM: -48V/RTN :1.5KV (1.2/50us 42ohm) -48V/RTN :1.5KV (10/700us 40ohm) CM：6KV (1.2/50us 42ohm)
	ESD Protection	Contact 8KV, Air 12KV
	Wind Survivability	150km/h
Software	Protocol	802.11a/n/ac

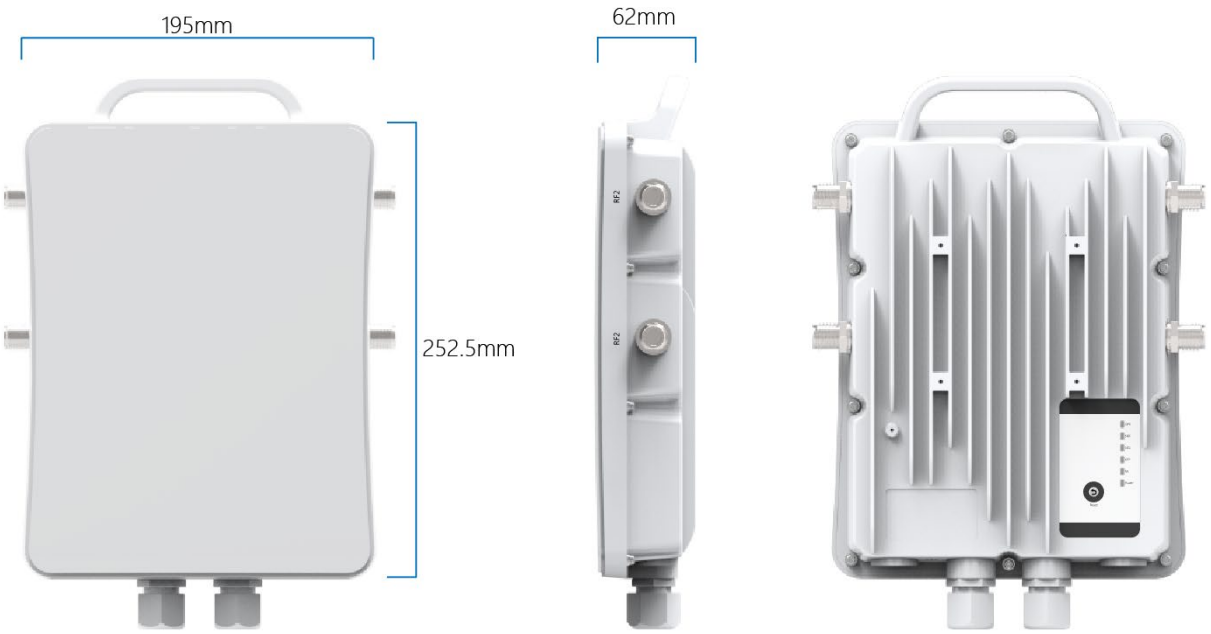
	Frequency	5180~5320MHz、5745~5825MHz（China） 5180~5320MHz、5500~5720MHz、5745~5825MHz（United States） 5160~5340MHz、5480~5720MHz、5745~5865MHz（India） 5160~5340MHz、5480~5720MHz、5745~5825MHz（United Arab Emirates） 5745~5805MHz（Indonesia） * The above frequencies need specific version support
	Operating Mode	AP, Station, WDS AP, WDS Station
	Security	WPA2-PSK, Hidden SSID, IP/MAC Filtering
	Network Mode	Bridge/ Router
	GPS	Support simultaneous sending or receiving
	Management	Support Web/AC/SNMP
	Other	Timed restart，Support VLAN，QoS, Watchdog

RF Specification

TX Power				Sensitivity		
	Date Rate	Avg. TX	Tolerance	Data Rate	Sensitivity	Tolerance
11a/n	6 Mbps	23dBm	+/- 2dBm	6 Mbps	-91dBm	+/- 2dBm
	54 Mbps	19dBm	+/- 2dBm	54 Mbps	-73dBm	+/- 2dBm
	HT20 MCS0(combination)	26dBm	+/- 2dBm	HT20 MCS0	-91dBm	+/- 2dBm
	HT20 MCS7(combination)	21dBm	+/- 2dBm	HT20 MCS7	-70dBm	+/- 2dBm
	HT40 MCS0(combination)	25dBm	+/- 2dBm	HT40 MCS0	-87dBm	+/- 2dBm
	HT40 MCS7(combination)	21dBm	+/- 2dBm	HT40 MCS7	-68dBm	+/- 2dBm
11ac	VHT20 MCS0(combination)	26dBm	+/- 2dBm	VHT20 MCS0	-91dBm	+/- 2dBm
	VHT20 MCS8(combination)	20dBm	+/- 2dBm	VHT20 MCS8	-66dBm	+/- 2dBm
	VHT40 MCS0(combination)	25dBm	+/- 2dBm	VHT40 MCS0	-87dBm	+/- 2dBm
	VHT40 MCS9(combination)	19dBm	+/- 2dBm	VHT40 MCS9	-62dBm	+/- 2dBm
	VHT80 MCS0(combination)	25dBm	+/- 2dBm	VHT80 MCS0	-84dBm	+/- 2dBm
	VHT80 MCS9(combination)	19dBm	+/- 2dBm	VHT80 MCS9	-58dBm	+/- 2dBm

* The combined power in the chart above is the result of tested single power plus 3dB

Dimension



Interface