



# TA21

802.11b/g/n indoor high-performance AP



Intelligent  
Rate Control



ACK Time-out  
Adjustment



2x2 MiMo



High  
Throughput



POE+



Hardware  
Watchdog

## Release Notes


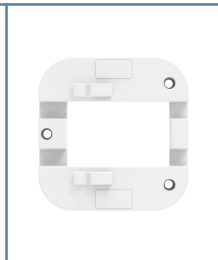




Date	Version Number	Editor	Change log	Remarks
2020-05-29	V1.0	Guifang	Create	

## Product Feature

- Supports 802.11b/g/n standard
- The highest transmission rate is 300Mbps
- Coverage: 0~150m
- Integrated antenna, quick installation
- Supports bridge and router modes. Network architecture can be flexibly deployed by adjusting the network mode of devices
- Intelligent QoS wireless multimedia optimization technology, providing high priority transmission levels for voice and video
- 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+)
- IP41

\*Wireless controller needs to be purchased separately

## Accessory List

					
Device	Mount bracket	Screw bag	In wall POE adaptor	QIG	QC

## Application Scenario



## Specifications

Hardware	Dimensions(mm)	150x150x36mm
	Weight(kg)	0.2kg
	Installation	Ceiling-mounted
	Protection Level	IP41
	Antenna Gain	3dBi
	Antenna Type	Omnidirectional Antenna
	Power Supply	48V POE+/DC 12V
	Max Power Consumption(W)	8W
	Average Power Consumption(W)	6W
	CPU	QCA9531
	DDR & Memory	64MB DRAM,8MB Flash
	Physical Interface	3*10/100/Mbps
	Indicator Light	3*Signal strength indicator 1*Breathing light
	Maximum Transmitted Power	27dBm
	Working Temperature	-20°C~55°C
Storage Temperature	-40°C~85°C	

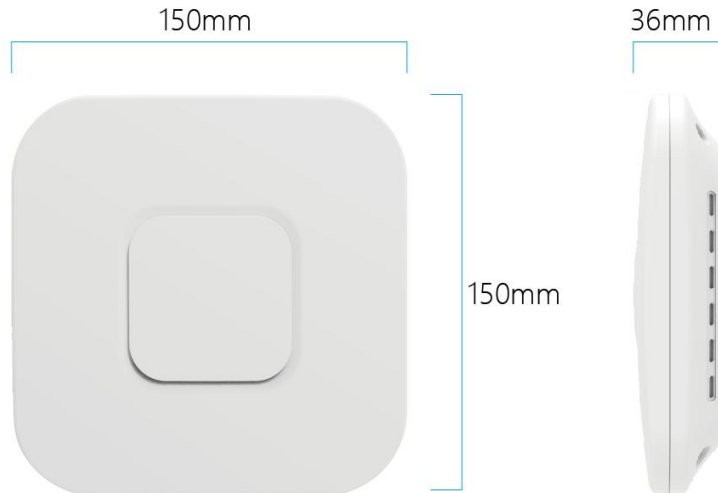
	Working Humidity	5%~95%RH Non-condensing
	Surge	POE/GE: CM 4KV , DM 2KV
	ESD Protection	Contact 6KV , Air 8KV
Software	Protocol	802.11b/g/n
	Frequency	2412~2472MHz (China) 2412~2462MHz (United States) 2412~2472MHz (Most countries) * The above frequencies need specific version support
	Operating Mode	AP, Station, WDS AP, WDS Station
	Security	WPA2-PSK, Hidden SSID, IP/MAC Filtering
	Network Mode	Bridge/ Router
	Management	Support Web/AC/SNMP
	Other	Timed restart, Support VLAN, QoS, Watchdog

## RF Specification

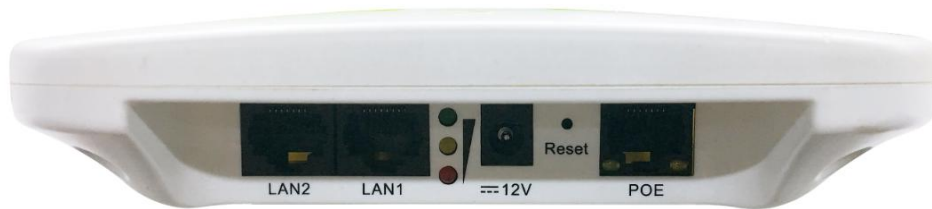
TX Power				Sensitivity		
	Date Rate	Avg. TX	Tolerance	Date Rate	Sensitivity	Tolerance
11b/g/n	1 Mbps	24dBm	+/- 2dBm	1 Mbps	-96dBm	+/- 2dBm
	11 Mbps	24dBm	+/- 2dBm	11 Mbps	-90dBm	+/- 2dBm
	6 Mbps	24dBm	+/- 2dBm	6 Mbps	-91dBm	+/- 2dBm
	54 Mbps	21dBm	+/- 2dBm	54 Mbps	-76dBm	+/- 2dBm
	HT20 MCS0(combination)	27dBm	+/- 2dBm	HT20 MCS0	-91dBm	+/- 2dBm
	HT20 MCS7(combination)	23dBm	+/- 2dBm	HT20 MCS7	-73dBm	+/- 2dBm
	HT40 MCS0(combination)	27dBm	+/- 2dBm	HT40 MCS0	-88dBm	+/- 2dBm
	HT40 MCS7(combination)	23dBm	+/- 2dBm	HT40 MCS7	-70dBm	+/- 2dBm

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

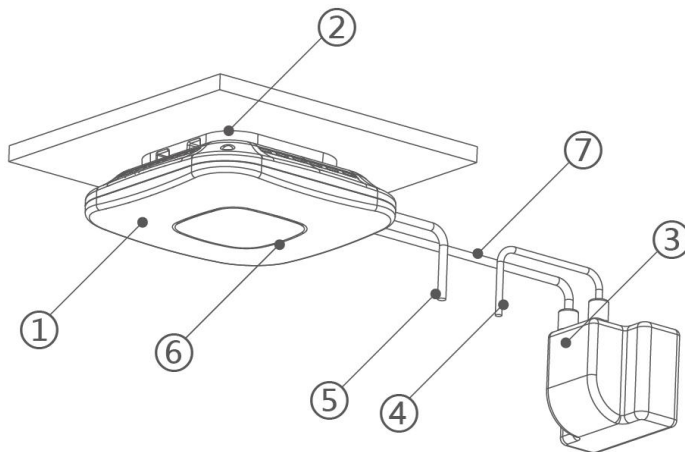
## Dimensions



## Interface



## Installation



1. AP Main Device
2. Mounting bracket
3. POE Adaptor
4. The LAN port of POE adaptor can be connected with the other devices
5. The LAN1/LAN2 port on the main device can be connected with the other devices
6. Breathing light
7. The POE port of POE adaptor should connect to the POE port on the main device

# Antenna Polar Plots

