



# TB21

802.11b/g/n 2.4G Indoor Device Designed for Elevator Security



TDMA



Intelligent  
Rate Control



ACK Time-out  
Adjustment



2x2 MiMo



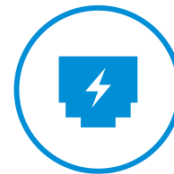
High  
Throughput



PTP



Hardware  
Watchdog



POE+

## Summary

TB2I is a powerful wireless broadband access and transmission product. TB2I integrated VTrans wireless technology independently developed by our company. The technology integration of a number of industry-leading core results, covering MIMO, TDMA, etc., TB2I has the characteristics of far transmission distance, high throughput, and strong anti-interference ability.

## Product Feature

- High performance 802.11n 2×2 MIMO chip and max transmission throughput: 300Mbps.
- Support multiple wireless modes: Access point, Station, WDS Access point, WDS Station.
- Integrated VTrans technology.
- Support point-to-point connection.
- Unique RF and antenna design enables long-range transmission.
- Set a common scene and work mode for the user. Greatly convenient for the construction personnel.
- Multi-network port design is more conducive to the expansion of a variety of applications.
- Support remote control and management.

# Specifications

Specifications		
Hardware	CPU	QCA9531
	DDR& Memory	64MB DDR2, 8MB Flash
	Power requirement	48V PoE , 12V DC
	Installation method	Ceiling Installation
	Protection level	IP41
	Working temperature	-20°C~55°C
	Storage temperature	-40°C~85°C
	Working humidity	5%~95%RH Non-condensing
	Equipment size	150x150x31.6 mm
	Physical Interface	10/100M Base-TX (Cat. 5/5E, RJ-45) x3
	LED indicator	Signal strength indicator
Wireless	Protocol	802.11 b/g/n
	Operating Frequency	2412~2472MHz(More Non-standard channels are available,2312~2732MHz)
	Antenna gain	8dBi
	Beam Width	H 65° V 60°
Software	Operating mode	Access point, Station, WDS Access point, WDS Station
	Encryption authentication	WPA/WPA2, hidden SSID, IP/MAC filtering
	Network mode	Bridge/ Router
	Configuration management	Support web page configuration, support AC remote management
	software upgrade	Support web page upgrade and support AC remote upgrade

## RF Index

Transmit Power				Receiving Sensitivity			
	Rate	Power	Tolerance		Rate	Power	Tolerance
11b	6Mbps	27dBm	+/-2dBm	11b	6Mbps	-93dBm	+/-2dBm
	54Mbps	27dBm	+/-2dBm		54Mbps	-85dBm	+/-2dBm
11g	6Mbps	27dBm	+/-2dBm	11g	6Mbps	-85dBm	+/-2dBm
	54Mbps	24dBm	+/-2dBm		54Mbps	-72dBm	+/-2dBm
11n	HT20_MCS0	27dBm	+/-2dBm	11n	HT20_MCS0	-85dBm	+/-2dBm
	HT20_MCS7	23dBm	+/-2dBm		HT20_MCS7	-67dBm	+/-2dBm
	HT40_MCS0	27dBm	+/-2dBm		HT40_MCS0	-82dBm	+/-2dBm
	HT40_MCS7	23dBm	+/-2dBm		HT40_MCS7	-65dBm	+/-2dBm

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