



TB8H

802.11a/b/g/n/ac 2G&5G Industrial Grade, Long-distance Wireless Transmission Device



TDMA



Intelligent
Rate Control



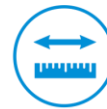
ACK Time-out
Adjustment



2x2 MiMo



High
Throughput



Long Distance
Coverage



PTP



PTMP



Gigabit
Ethernet



Hardware
Watchdog



POE+

Summary

TB8H is a new generation of industrial grade 802.11ac 2x2 AP for outdoor applications. It can provide stable outdoor wireless signal coverage and long distance wireless backhaul, and provide customers with stable, high quality, convenient wireless connection service.

Product structure design fully consider harsh environment applications, and comply with the IP66 standard, also has the mould proof, corrosion resistance lightning protection and other characteristics. So the TB8H can be deployed in the harsh environment for almost any condition.

Product Feature

- Dual-band concurrent (2.4GHz&5GHz).
- Support 802.11ac standard, and 2x2 MIMO technology.
- Max transmission throughput : 867Mbps (5G)+300Mbps (2.4G).
- Transmission distance (5G) : 0~5Km.
- Integrated VTrans technology.
- Support multiple operation modes: Access point, Station, WDS Access point, WDS Station.
- Support point-to-point, point-to-multipoint connection.
- Unique RF and antenna design enables long-range transmission.
- Wireless multimedia optimization technology guarantees video/Traffic shaping.
- Support dual backup firmware.
- Support remote configuration and upgrade management by AC.
- Support SNMP.
- Standard 802.3at Power over Ethernet (PoE+).

Specifications

Specifications		
Hardware	CPU	QCA9557+QCA9882
	DDR& Memory	128MB DDR2,16MB Flash
	Power requirement	48V PoE
	Installation method	Pole mounting
	Protection level	IP66
	Working temperature	-40°C~70°C
	Storage temperature	-40°C~85°C
	Working humidity	5%~95%RH Non-condensing
	Equipment size	216×216×82 mm
	Physical Interface	10/100/1000M Base-TX (Cat. 5/5E, RJ-45) x1
	Protocol	802.11 a/b/g/n/ac
Wireless	Operating Frequency	2412~2472MHz(More Non-standard channels are available, 2312~2732MHz) 5180~5320, 5745~5825MHz(More Non-standard channels are available,4920~6100MHz)
	Antenna size	Ø75x1400 mm
	Antenna gain	External 2G: 13dBi Built-in 5G: 18dBi
	Beam Width	External 2G: H 360°, V 8° Built-in 5G: H 17°, V 17°
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, support SNMP management
	software upgrade	Support web page upgrade and support AC remote upgrade

RF Index

Transmit Power				Receiving Sensitivity			
	Rate	Power	Tolerance		Rate	Power	Tolerance
11a	6Mbps	27dBm	+/-2dBm	11a	6Mbps	-85dBm	+/-2dBm
	54Mbps	24dBm	+/-2dBm		54Mbps	-70dBm	+/-2dBm
11an	HT20_MCS8	27dBm	+/-2dBm	11an	HT20_MCS8	-85dBm	+/-2dBm
	HT20_MCS15	23dBm	+/-2dBm		HT20_MCS15	-65dBm	+/-2dBm
	HT40_MCS8	27dBm	+/-2dBm		HT40_MCS8	-82dBm	+/-2dBm
	HT40_MCS15	23dBm	+/-2dBm		HT40_MCS15	-62dBm	+/-2dBm
11ac	HT20_MCS0	27dBm	+/-2dBm	11ac	HT20_MCS0	-85dBm	+/-2dBm
	HT20_MCS8	22dBm	+/-2dBm		HT20_MCS8	-60dBm	+/-2dBm
	HT40_MCS0	27dBm	+/-2dBm		HT40_MCS0	-82dBm	+/-2dBm
	HT40_MCS9	21dBm	+/-2dBm		HT40_MCS9	-55dBm	+/-2dBm
	HT80_MCS0	27dBm	+/-2dBm		HT80_MCS0	-79dBm	+/-2dBm
	HT80_MCS9	21dBm	+/-2dBm		HT80_MCS9	-52dBm	+/-2dBm
11gn	HT20_MCS8	27dBm	+/-2dBm	11gn	HT20_MCS8	-85dBm	+/-2dBm
	HT20_MCS15	23dBm	+/-2dBm		HT20_MCS15	-65dBm	+/-2dBm
	HT40_MCS8	27dBm	+/-2dBm		HT40_MCS8	-82dBm	+/-2dBm
	HT40_MCS15	23dBm	+/-2dBm		HT40_MCS15	-62dBm	+/-2dBm

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