



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



TDMA



Intelligent
Rate Control



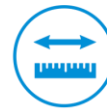
ACK Time-out
Adjustment



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.
- Transmission distance : 0~5Km.
- Max transmission throughput : 867Mbps (5G)+300Mbs (2.4G).
- 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_MCS0 | 27dBm | +/-2dBm | 11an | HT20_MCS0 | -85dBm | +/-2dBm |
| | HT20_MCS7 | 23dBm | +/-2dBm | | HT20_MCS7 | -65dBm | +/-2dBm |
| | HT40_MCS0 | 27dBm | +/-2dBm | | HT40_MCS0 | -82dBm | +/-2dBm |
| | HT40_MCS7 | 23dBm | +/-2dBm | | HT40_MCS7 | -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_MCS0 | 27dBm | +/-2dBm | 11gn | HT20_MCS0 | -85dBm | +/-2dBm |
| | HT20_MCS7 | 23dBm | +/-2dBm | | HT20_MCS7 | -65dBm | +/-2dBm |
| | HT40_MCS0 | 27dBm | +/-2dBm | | HT40_MCS0 | -82dBm | +/-2dBm |
| | HT40_MCS7 | 23dBm | +/-2dBm | | HT40_MCS7 | -62dBm | +/-2dBm |

Ordering Information

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