



TB5HS-17E

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



TDMA



Intelligent
Rate Control



ACK Time-out
Adjustment



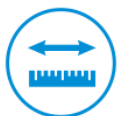
2x2 MIMO



High
Throughput



PTP



Long Distance
Coverage



Gigabit
Ethernet



Hardware
Watchdog



POE+

Summary

TB5HS-17E is a new generation of industrial grade 802.11ac 2x2 AP for outdoor applications. It has built-in CreatComm's unique VTrans wireless technology, the technology combines industry-leading core technology, including MIMO-OFDM, TDMA, AutoACK, etc., to ensure high throughput and reliable wireless signal coverage under various application scenarios.

Product Feature

- Support 802.11ac standard, and 2x2 MIMO technology.
- Transmission distance: 0~5km.
- Max transmission throughput: 867Mbps.
- 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.
- Standard 802.3at Power over Ethernet (PoE+).
- Support for remote control and management.

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	183×183×43 mm
	Physical Interface	10/100/1000M Base-TX (Cat. 5/5E, RJ-45) x1
	Protocol	802.11 a/n/ac
Wireless	Operating Frequency	5180~5320, 5745~5825MHz(More Non-standard channels are available,4920~6100MHz)
	Antenna size	450×165×35 mm
	Antenna gain	17dBi
	Beam Width	V: 8°, H: 90°
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
11n	HT20_MCS0	27dBm	+/-2dBm	11n	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

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