



# TB5E

802.11a/n 5G Outdoor, Long-distance Wireless Transmission Device



TDMA



Intelligent  
Rate Control



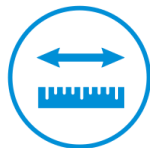
ACK Time-out  
Adjustment



2x2 MiMo



High  
Throughput



Long Distance  
Coverage



PTP



PTMP



Hardware  
Watchdog

## Summary

TB5E is a powerful WiFi access and video/audio/data transmission device, enabling long-range, fast speed and robust wireless connections. Integrated creatcomm's VTrans technology, TB5E has the advantages of long-distance, high-throughput and so on.

## Product Feature

- High performance 802.11n 2×2 MIMO chip.
- Longest transmission distance: 0~3km.
- Max transmission throughput: 300Mbps.
- Integrated VTrans technology.
- Support 4 operation modes: Access Point, Station, WDS Access Point, and 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.
- Reliable PoE power supply.
- Support remote control and management.

# Product Specifications

Specifications		
Hardware	CPU	AR9344
	DDR& Memory	64MB DRAM, 8MB Flash
	Power requirement	24V PoE
	Installation method	Pole mounting
	Protection level	IP65
	Working temperature	-30°C~70°C
	Storage temperature	-40°C~85°C
	Working humidity	5%~95%RH Non-condensing
	Equipment size	270x82x30 mm
	Physical Interface	10/100M Base-TX (Cat. 5/5E, RJ-45) x2
	LED indicator	Power, LAN, WLAN, Signal strength indicator
Wireless	Protocol	802.11 a/n
	Operating Frequency	5745~5825MHz(More Non-standard channels are available,4920~6100MHz)
	Antenna gain	15dBi
	Beam Width	V:40°, H:15°
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	-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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