



# TB5N-P

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



TDMA



Intelligent  
Rate Control



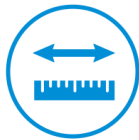
ACK Time-out  
Adjustment



2x2 MiMo



High  
Throughput



Long Distance  
Coverage



PTP



PTMP



Hardware  
Watchdog

## Summary

TB5N-P is a powerful wireless broadband access and transmission product. Integrated CreatComm's VTrans technology, which combines the industry-leading core technology, including MIMO, and TDMA and so on, has the characteristics of far transmission, high throughput, and strong anti-interference ability.

TB5N-P is suitable for wireless video and data transmission in outdoor scenes such as construction sites. It can be installed on tower cranes, fences, poles or roofs. It has excellent long-distance transmission performance and can transmit multi-channel HD video.

## Product Feature

- The use of high-performance 802.11n 2x2 MIMO chip, the maximum rate is up to 300Mbps.
- Products use the core VTrans technology, including TDMA, MIMO and other industry-leading technology.
- Support point-to-point, point-to-multipoint connection.
- Unique antenna, RF amplifier, low noise receiver designed to ensure remote video transmission.
- Unique TDMA technology can maximize the use of bandwidth resources in order to better support point-to-multipoint data transmission.
- PoE power supply.
- Supports automatic selection of appropriate frequency points, which reduces the difficulty of selecting frequency points and ensures transmission quality.

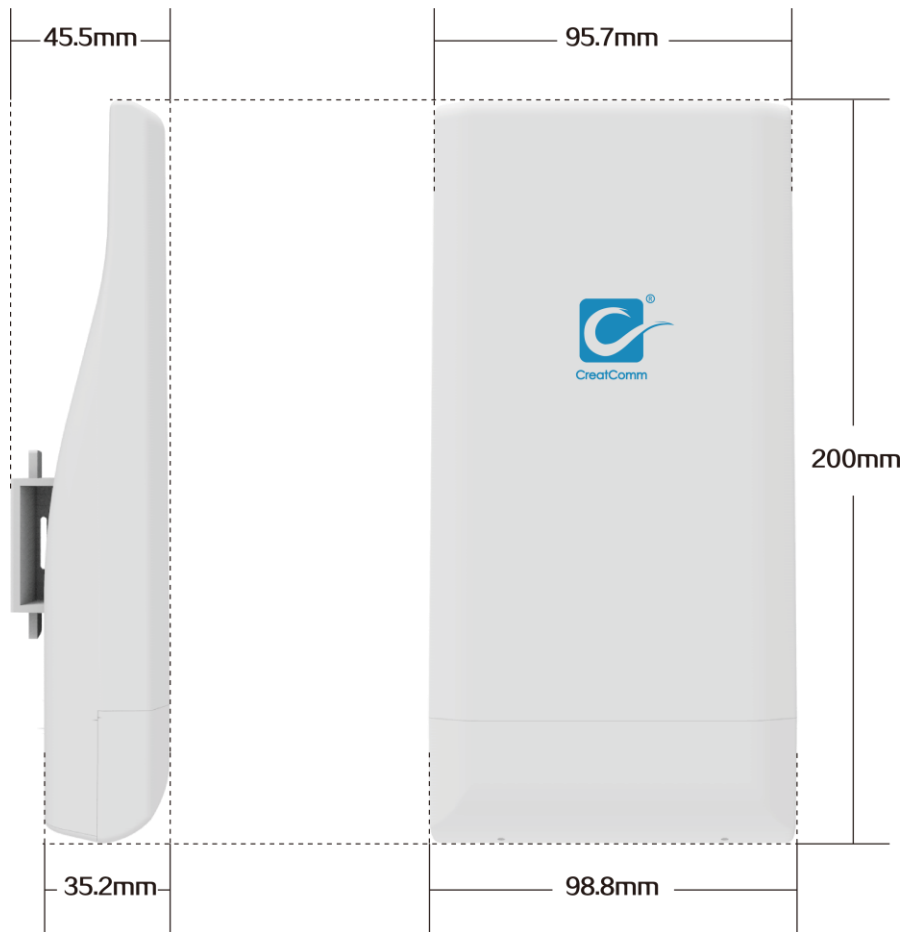
# Product Specifications

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	45.5x98.8x200 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	5180~5320MHz, 5745~5825 MHz (More Non-standard channels are available,4920~6100MHz)
	Antenna gain	10dBi
	Beam Width	V:18°, H:65°
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	24dBm	+/-2dBm	11a	6Mbps	-85dBm	+/-2dBm
	54Mbps	22dBm	+/-2dBm		54Mbps	-72dBm	+/-2dBm
11n	HT20_MCS0	24dBm	+/-2dBm	11n	HT20_MCS0	-85dBm	+/-2dBm
	HT20_MCS7	21dBm	+/-2dBm		HT20_MCS7	-67dBm	+/-2dBm
	HT40_MCS0	24dBm	+/-2dBm		HT40_MCS0	-83dBm	+/-2dBm
	HT40_MCS7	21dBm	+/-2dBm		HT40_MCS7	-65dBm	+/-2dBm

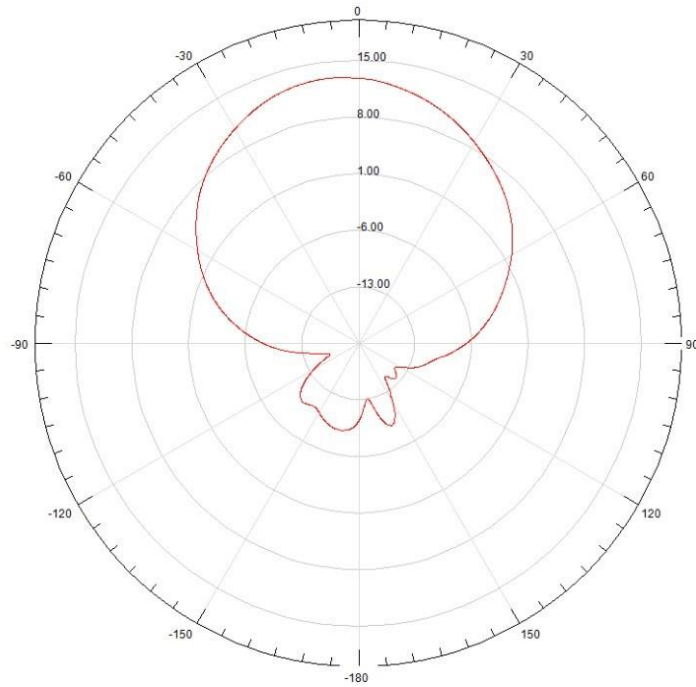
## Dimensions



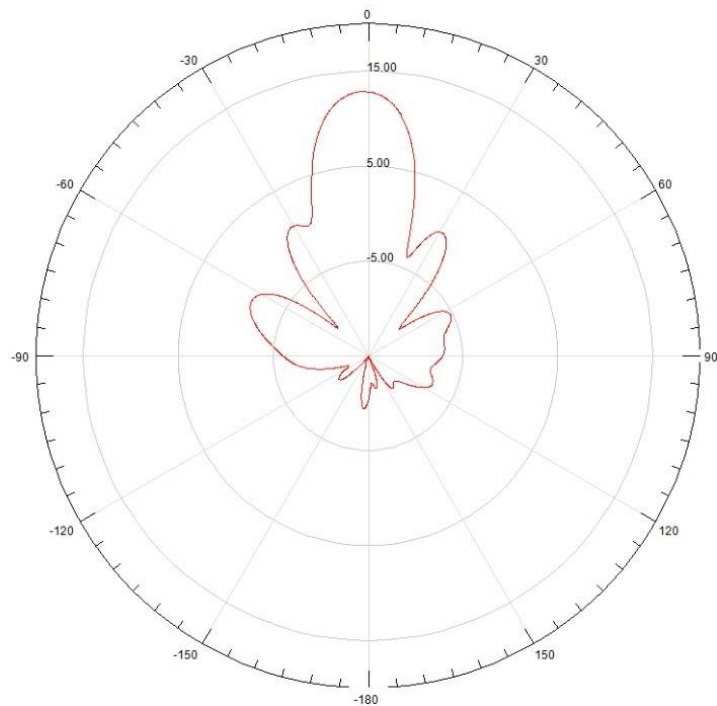
# Radiation Pattern

Radiation pattern as shown in the figures below:

Horizontal Azimuth



Vertical Azimuth



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