

TDMA 5.8G 900Mbps Wireless Bridge

Model: GNT-CP970



Description:

GNT-CP970 is a high-performance, high-speed outdoor long-distance wireless bridge. It has the characteristics of long transmission distance, strong penetration ability, and strong anti-interference ability.

Main Features:

- The use of specialized TVS lightning devices enhances the product's ability to withstand harsh environments.
- Built in 15dBi dual polarization directional antenna, up to 5km for PTP/ PTmP distance.
- Support non-standard frequency points: 4.9-6.1GHz.
- Support 5, 10MHz narrowband operating bandwidth
- Support ATPC, IPv6, TDMA.

Hardware Specification:

Model	GNT-CP970				
CPU	QCA9563+QCA9882+QCA8334				
Flash	SPI NOR 16MB				
DDR	DDR2-64MB				
5G frequency	5.150GHz ~ 5.850GHz				
5G WIFI protocol	802.11 a / n /ac				
Max rate	900Mbps				
Antenna	Internal 15dBi directional panel antenna				
5G TX Power	802.11a	54M	23±2dBm	6M	26±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	26±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	26±2dBm
	802.11ac VHT20	MCS9	21±2dBm	MCS0	26±2dBm
5G Receiving Sensitivity	802.11ac VHT40	MCS9	21±2dBm	MCS0	26±2dBm
	802.11ac VHT80	MCS9	21±2dBm	MCS0	26±2dBm
	802.11a	54M	-75dBm	6M	-92dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-90dBm

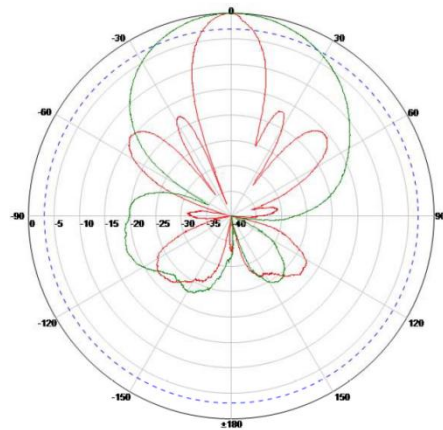
5G EVM	802.11a_54M: ≤ -25 dB; 802.11n_MCS7: ≤ -28 dB; 802.11AC_MCS9: ≤ -32 dB
ppm	± 20 ppm
WAN	1*10/100/1000M WAN, support 24V POE
LAN	1*10/100/1000M LAN
Power	PoE 24V, DC 12~24V
Max Power Consumption	<10W
Reset	Press 2-5 seconds for pairing, 10seconds for factory resetting.
Switch button	Set Master/ Slave working mode
Indicators	SYS, WAN, LAN, Signal*5
Dimension	168mm*86mm*42.5mm
Weight	0.28kg
Temperature	Working: -40°C to 70°C ; Storage: -40°C to 70°C ; Humidity: 5% ~ 95% (Non-Condensing)
IP Grade	IP65
ESD	Air: ± 8 K, Touch: ± 6 K
Electrical Surge	Common Mode: 4K, Differential Mode: 2K

Firmware Specification

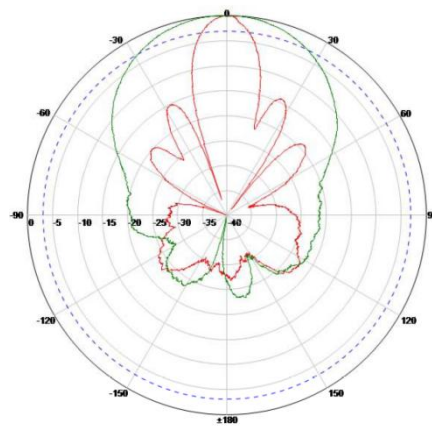
Working mode	Access Point (Automatic WDS), Access Point (TDMA3), Site (WDS/TDMA3), Site (ARPNAT)
Wireless	Intelligent dynamic polling, automatic channel selection, automatic modulation mode selection, automatic transmission power control (ATPC)
Wireless Safety	WPA/WPA2 personal encryption, WPA/WPA2 enterprise encryption, WACL, user isolation
Wireless QoS	TDMA implements 4 queue priority
Network mode	IPv4 IPv6
VLAN	Support VLAN and VLAN transparent transmission
WAN protocol	Static IP, DHCP client
Service	DHCP service, SNMP service, NTP client, route tracking, ping watchdog
Management	HTTP(S) GUI, SSH, SNMP read, WNMS, Telnet
Built Tool	Site survey, connection testing, antenna calibration

Antenna Specification

Horizontal polarization



Vertical polarization



Built in Antenna	
Working frequency	5180 ~5850 MHz
Gain	15 dBi
Polarization mode	Vertical/horizontal dual polarization
Horizontal beam angle	60°
Vertical beam angle	30°