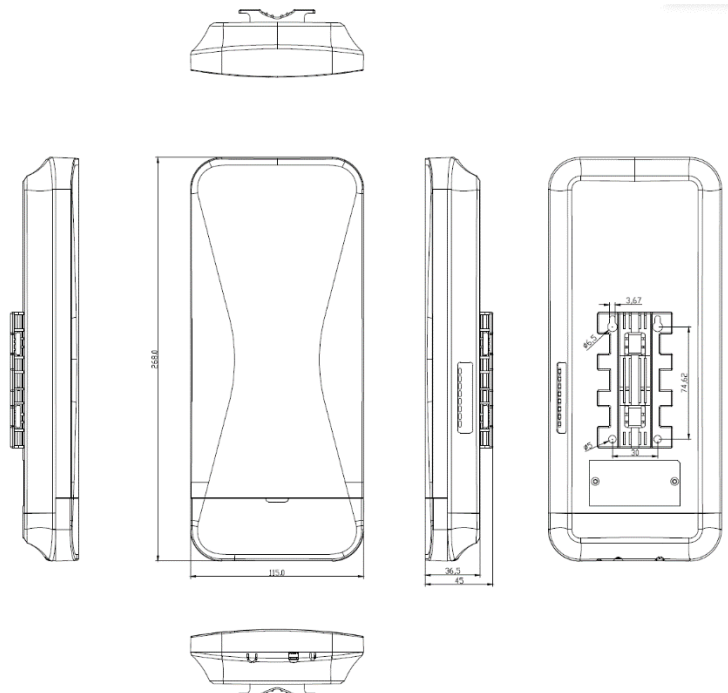


#### Product Overview

**DC867 is an high power industrial 5G outdoor CPE with 8Km PTP/PTMP range. Comply with the next generation 802.11ac Wi-Fi standard, combined 900Mbps high speed in 5G, equipped Gigabit WAN port. It with LED display to show and configure CPE's operation mode, Channel, IP address and Signal Strength, simple to do the Point to Point connection by reset button, no need to access into GUI.**

#### Main Features

- The use of specialized TVS lightning protection devices enhances the product's ability to withstand harsh environments.
- Built in 18dBi dual polarization directional antenna, up to 8km for PTP/ PTmP distance.
- Support non-standard frequency points: 4.9-6.1GHz.
- Support 5, 10MHz narrowband operating bandwidth
- Support ATPC, IPv6, TDMA.



### 900Mbps Data Rate & Gigabit WAN/LAN Ports

**DC867** features 802.11ac Wi-Fi and 2\*2 MIMO technology, 900Mbps wireless speed. Equipped with Gigabit Ethernet port ensures high speed internet access and more end users access.

### 5GHz frequency, more channels, lower latency, higher stability

**DC867** with full frequency of 5020~6100MHz, more than 200 channels available, it avoid the frequency interference problem, full meet with data transmission in fast speed, low delay, high stability requirement in wireless security or data transmission.

### 8KM PTP/PTMP Distance

Designed in two line Power Amplifier on PCB board, the power can be 300mW high power, high gain panel antenna, greatly increase the Wi-Fi range to **8KM** distance, then supply the stable Wi-Fi signal for users.

### LED Display

**DC867** with LED display to show AP/Client operation mode, Channels, IP address and RF Power; What's more, it is easy to setup **DC867** operation mode, IP address, Channels by set switch on product, no need to access into GUI, avoid the complex setup program, simple to check the working status.

### Power over Ethernet

**DC867** has integrated IEEE802.3af 48V PoE, (passive Power over Ethernet is optional), for easy installation and lower cost. So it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

Indoor/Outdoor Application,  
More than 5000 meters Wi-Fi Range



Hardware					
Chipset	QCA9563+QCA9882+QCA8334				
Standard	802.11ac/a, MIMO technology				
Memory	128MB DDR2 RAM				
Flash	SPI NOR 16MB				
Interface	1 * 10/100/1000Mbps RJ45 WAN Port				
	1 * 10/100/1000Mbps RJ45 LAN Port				
	1 * LED display, 1 * F(Function) switch button, 1 * S(Select) button, press it to setup WDS PTP/PTMP connection				
	1 * Reset button, press 10 seconds to revert to default setting press 2-5 seconds to finish the WDS PTP/PTMP connection				
Antenna	Build in 18dBi MIMO Directional Panel Antenna				
Power consumption	48V PoE, <10W				
ESD	±8KV				
Surge	±2KV				
Water Proof Level	IP65				
Size and Weight	268mm * 115 mm * 45mm – 0.48Kg				
RF Data					
Frequency	5GHz: 802.11a/ac				
	5GHz: Standard: 5150~5825MHz, Debug: 5020~6100MHz				
Throughput	900Mbps				
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM				
	DSSS = DBPSK, DQPSK, CCK				
Receive Sensitivity& RF Power					
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:≤-32dB				

### Firmware Features

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

Frequency Range	5180 ~5850 MHz
Impedance	50 Ohms nominal
Gain	18dBi
Radiation	Directional
Polarization	Vertical and Horizontal (Dual)
S-Parameters (5.8G)	

