



## CPE520 Outdoor Wireless Bridge

---

# Specification

### CPE520

900Mbps High Power 5.8GHz Outdoor CPE



Version: V1.0

Date: 2018-1-31

## Overview:

CPE520 is an high power industrial 5G outdoor CPE with the next generation 802.11ac Wi-Fi standard, combined 900Mbps high speed in 5G, equipped 2 10/100M LAN ports, 2 times Ethernet data rate faster than normal CPE, it make more than 50 end users can access into it to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks. It is using air as a medium for network data transmission to remote point-to-point or point to multi-point connectivity. It supports 3KM transmission distance with two-way traffic flow up to 140M.

**CPE520 has smart web management, it can be pairing automatically.**

## Features:

- \* Comply with IEEE 802.11ac/g/n, 5G,900Mbps Data Rate
- \* 2x 10/100M LAN Port
- \* 500mW high power, build in 14dBi MIMO panel antenna, stronger signal strenght, more wireless coverage
- \* Support passive PoE
- \* With function of build in firewall, IP filter, URL filter and MAC filter
- \* Comply with IEEE 802.3az standard, beamforming technology, RF power adjustment and frequency analyzer for better application in different environment
- \* Support DDNS, VPN pass through, Port forwarding and DMZ host
- \* Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security

## Specification:

Chipset	MT7620A+7612E
DRAM	DDR2 64MByte
FLASH	8MByte
Interface	10/100Mbps LAN*2
Data Rate	11a:54M,48M,36M,24M,18M,12M,9M,6Mbps
	11n:7.2M,14.4M,21.7M,28.9M,43.3M,57.8M,65M,72.2M,14.4M, 28.9M,43.3M,57.8M,86.7M,115.6M,130M,144.4Mbps 433Mbps

Transmission Mode	DSSS			
Modulation Mode	OFDM/BPSK/QPSK/CCK/DQPSK/DBPSK			
Wireless Standard	IEEE802.11ac IEEE802.11n,IEEE802.11a ,IEEE802.3u			
Protocal	CSMA/CA,TCP/IP,IPX/SPX,NetBEUI,DHCP,NDIS3,NDIS4,NDIS5			
Frequency	4900 ~ 6100MHz			
Power Consumption	≤3W			
Power	POE 24V 1A (Default) POE 48V 0.5A (Optional)			
RF @25°C±2dB	802.11a & 802.11ac	6-24Mbps	16±2dBm	
		36-48Mbps	16±2dBm	
		54Mbps	16±2dBm	
	802.11n	HT20	MCS 0-3	15±2dBm
			MCS 4	15±2dBm
			MCS 5	15±2dBm
			MCS 6	15±2dBm
			MCS 7	15±2dBm
		HT40	MCS 0-3	15±2dBm
			MCS 4	15±2dBm
MCS 5			15±2dBm	
MCS 6			15±2dBm	
MCS 7			15±2dBm	
Sensitivity	802.11a	6Mbps ≤ -89; 54Mbps ≤ -72		
	802.11n	HT20	MCS 0 ≤ -86; MCS 7 ≤ -72	
		HT40	MCS 0 ≤ -83; MCS 7 ≤ -65	
802.11ac	802.11ac(HT80): ≤-83dBm@MCS0; ≤-58dBm@MCS9			
Antenna	Frequency	5180 ~ 5825MHz		
	Polarization direction	Vertical		

	DB	14 dBi
Management	WEB management	Support
	Telnet	Support
	Serial	Support
Security	MAC control	Support
	Encryption	WEP Encryption 64/128bits,WPA,WPA2,802.1x
Work / Storage Environment	Working	-30 ~ 65°C
	Storage	-50 ~ 80°C
	Moisture (non concentrated)	≤95% (non-condensing)
Size	310*95*75MM	
Weight	0.45kg	
Packing List	1* Outdoor CPE 1* 24V POE Power 1* Hose Clamp 1* Instructions 1* Certificate	