SUNWAVE

THE DIGITAL EDGE OF 5G -- SINCE 1993
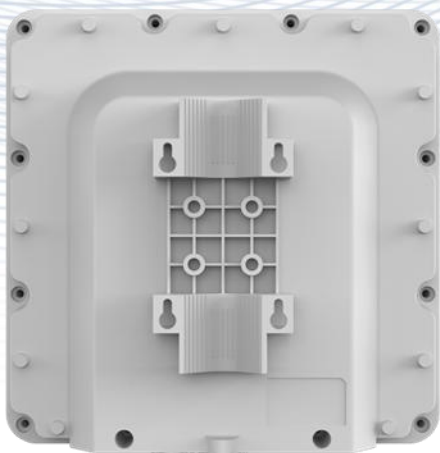
CP680

LTE Outdoor CPE

3GPP Release 10/11
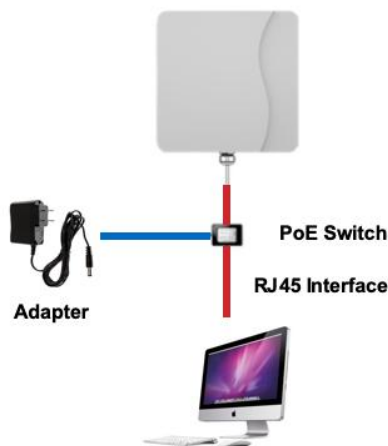
CAT6

All LTE Bands

PoE

IP67

The CP680 from SUNWAVE is a high-performance outdoor LTE CPE. The product provides a high throughput data transmission network for residential, commercial and enterprise users. Customers enjoy an easy plug & play broadband access solution and large area coverage for various network service scenarios.

CELLULAR SPECIFICATIONS		
LTE Standard	3GPP Release 10/ 11, CAT 6	
Peak Throughput	FDD DL 300Mbps; UL 75Mbps	
	TDD DL 220Mbps; UL 15Mbps (Config 2:7)	
LTE Bands*	Option 1	B1/3/7/8/(17)/20/(28)/38/(40)/41/42/43/48
	Option 2 (Prototype)	B2/4/5/8/12/14/17/25/26/38/41/42/43/48/66
	Option 3	B42/43/48
	Option 4	B7/38/41
Carrier Aggregation（CA) and MIMO	CA: DL Intra/Inter 2CA	
	MIMO: DL 2 x 2 MIMO/ 4 X 4 MIMO	
Tx / Rx	1Tx / 4Rx	
Transmit Power	Power Class 3 (23 ± 2dBm)	
LTE Antenna	4 directional antennas	
LTE Antenna Gain	Option 1	700 MHz ~ 1 GHz: 6 dBi
		1.7 GHz ~ 2.1 GHz: 7 dBi
		2.3 GHz ~ 2.7 GHz: 9 dBi
		3.4 GHz ~ 3.8 GHz: 8 dBi
	Option 2	700 MHz ~ 1 GHz: 6 dBi
		1.7 GHz ~ 2.1 GHz: 7 dBi
		2.3 GHz ~ 2.7 GHz: 9 dBi
		3.4 GHz ~ 3.8 GHz: 8 dBi
	Option 3	3.4 GHz ~ 3.8 GHz: 15 dBi
	Option 4	2.5 GHz ~ 2.7 GHz: 13 dBi

The frequency bands in () are not included in the conventional sample.

TOPOLOGY

CP680 CPE DATASHEET

HARDWARE SPECIFICATIONS	
Fixed Interfaces	1 x RJ45 10/ 100/ 1000Mb/s
	1 x SIM slot (1.8V/ 3.0V 2FF)
LED Indicator	4 LED indicators (PWR, NET, SIM, RF signal)
Reset	Pin Hole
Power Supply	24V non-standard POE default
	IEEE 802.3at compatible POE customized
Power Consumption	< 8W
Power Adapter	Input: AC 90 ~ 240V
	Output: DC 24V/ 0.5A
Water and Dustproof	IP67
Dimensions and Mounting	Dimensions: 288 x 288 x 82 mm | 11.3 x 11.3 x 3.2 in
	Weight: < 2 kg | 4 lbs
	Mounting: rail and wall mounting
Temperature and Humidity	Operating: -40 ℃ ~ +55 ℃ | -40 °F ~ +131 °F
	Storage: -40 ℃ ~ +85 ℃ | -40 °F ~ +185 °F
	Humidity: 5% ~ 95%

SOFTWARE SPECIFICATIONS	
Operation Mode	NAT mode
	Route Mode
	Bridge Mode
Device Management	TR069
	SNMP
	Web UI
	Software upgrade- FOTA
	USIM PIN management
Network Protocols and Features	Multi-APN
	NAT/NATP
	SNTP/NITZ
	Static Routing
	Virtual server and DMZ
	DNS relay and DDNS
	IGMP snooping and IGMP proxy
	DHCP server
	IPV4/IPv6 Dual Stack
	UPnP
	Parents control

CP680 CPE DATASHEET

VPN	IPsec
	PPTP
	GRE (L2/L3)
	L2TP v2/v3
	GRE over IPsec
	L2TP over IPsec
Security and Firewall	MAC address filtering
	IP address filtering
	URL filtering
	DDOS

Contact Us Today
en.sunwave.com