

## CP660 CPE DATASHEET



## CP660

LTE Indoor CPE

3GPP Release 10/11

CAT6

802.11a/b/g/n/ac

VoIP or VoLTE

The CP660 from SUNWAVE is a high-performance indoor LTE CPE, designed for 802.11a/b/g/n/ac dual band Wi-Fi access. The product provides optimized high throughput and a wide area coverage network for residential, commercial and enterprise users, supporting multiple services. Customers enjoy reliable dual-band Wi-Fi AP functions, broadband access and hot-spot Wi-Fi connections with the CP660.

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RF SPECIFICATIONS		
<b>Supports Bands</b>	Option 1	LTE: B1/3/7/8/20/28/38/40/41/42/43
	Option 2	LTE: B7/38/41
<b>Carrier Aggregation (CA)</b>	Inter/ Intra 2CA	
<b>LTE Antenna</b>	4 built-in antennas	
<b>MIMO</b>	CA: Intra- or Inter-band	
	DL 2 CA (2 x 2 MIMO 64 QAM)	
	DL 4 x 4 MIMO 64 QAM	
	UL 64 QAM	
<b>Output Power @ 25°C/ 77°F</b>	23 ± 2dBm	
<b>LTE Antenna Gain</b>	700 MHz ~ 1 GHz	3 dBi
	1.5 GHz ~ 2.7 GHz	5 dBi
	3.4 GHz ~ 3.8 GHz	5 dBi
<b>Wi-Fi Frequency</b>	2.4 GHz/ 5 GHz	
<b>Wi-Fi Antenna</b>	Built-in high-gain Wi-Fi antennas (2.4 GHz/ 5 GHz)	
<b>Wi-Fi Output Power</b>	2.4 GHz: 19dBm	
	5 GHz: 16dBm	
<b>Wi-Fi Channel BW</b>	20 MHz & 40 MHz & 80 MHz	
<b>Wi-Fi Antenna Gain</b>	2.4 GHz: 3 dBi	
	5 GHz: 3 dBi	

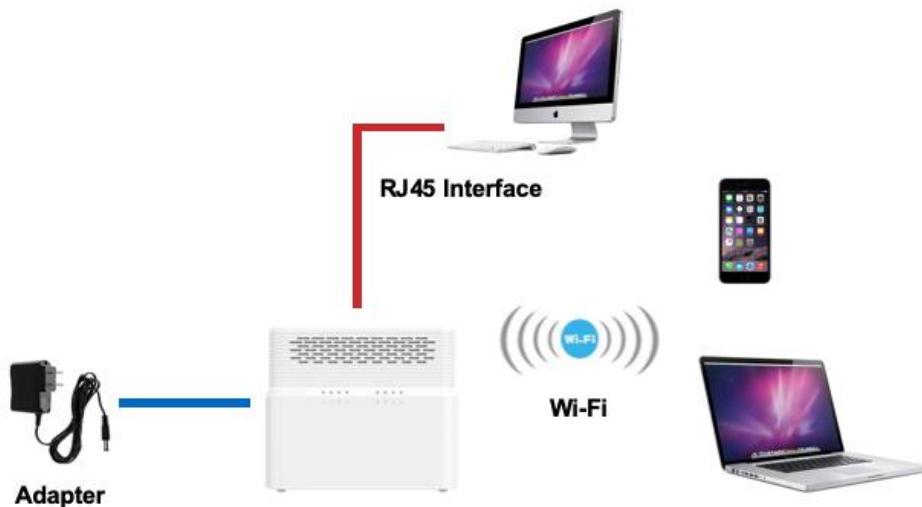
HARDWARE SPECIFICATIONS		
<b>LTE Standard</b>	3GPP Release 10/11, CAT 6	
<b>Flash</b>	2 GB	
<b>RAM</b>	2 GB	
<b>Ethernet LAN Port</b>	2 gigabit RJ45 LAN port 10/100/1000M auto-sensing, auto-MDI/ MDIX	
<b>Voice Port (Optional)</b>	1 RJ11	
<b>LED</b>	8 LED Indicators (PWR, Wi-Fi, TEL, NET, RF Signal x 4)	
<b>SIM</b>	1 USIM/ SIM (3FF)	
<b>Reset/Reboot Button</b>	Tact Switch	
<b>Antennas</b>	4 built-in antennas	
<b>Dimensions</b>	204.5 mm x 169 mm x 60 mm   8.03 in x 6.65 in x 2.36 in	
<b>Weight</b>	< 500 g   1.1 lbs.	
<b>Power Consumption</b>	< 12W	
<b>Power Adapter</b>	AC 100 ~ 240V DC 12V 2A	

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## ENVIRONMENT SPECIFICATIONS

<b>Temperature</b>	Operating	-10 °C ~ 55 °C   14 °F ~ 131 °F
	Storage	-40 °C ~ 85 °C   -40 °F ~ 185 °F
<b>Humidity</b>	Operating	5 ~ 95% (Non-condensing)
	Storage	5 ~ 95% (Non-condensing)

## TOPOLOGY



## SOFTWARE SPECIFICATIONS

<b>Peak Throughput</b>	TDD DL 220 Mbps UL15 Mbps
	FDD DL 300 Mbps UL75 Mbps
<b>Operation Mode</b>	NAT mode
	Route Mode
<b>Device Management</b>	Bridge Mode
	TR069
<b>Network Protocols and Features</b>	SNMP
	WebUI
<b>Network Protocols and Features</b>	Software Upgrade - FOTA
	Multi-APN
<b>Network Protocols and Features</b>	NAT/NATP
	SNTP/NITZ
<b>Network Protocols and Features</b>	Static Routing
	Virtual server and DMZ
<b>Network Protocols and Features</b>	DNS relay and DDNS
	IGMP snooping and IGMP proxy
<b>Network Protocols and Features</b>	DHCP server

## CP660 CPE DATASHEET

	IPv4/IPv6 Dual Stack
	UPnP
	Parents control
<b>VPN</b>	IPsec L2TP over IPsec GRE over IPsec GRE L2/L3 PPTP L2TP V2/V3
<b>Security and Firewall</b>	Firewall MAC address filtering IP address filtering URL filtering DDOS
<b>VoIP/ VoLTE Functions</b>	Call waiting Call hold/ resume Call forward on busy/ no answer Call transfer blind transfer/ attended transfer/ early attended transfer 3-way conferencing Caller ID display/ blocking DTMF FAX/ modem
<b>Wi-Fi Functions</b>	Hide SSID broadcasting Encryption: WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES) Maximum users: 64 AP Isolation Guest network

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