

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

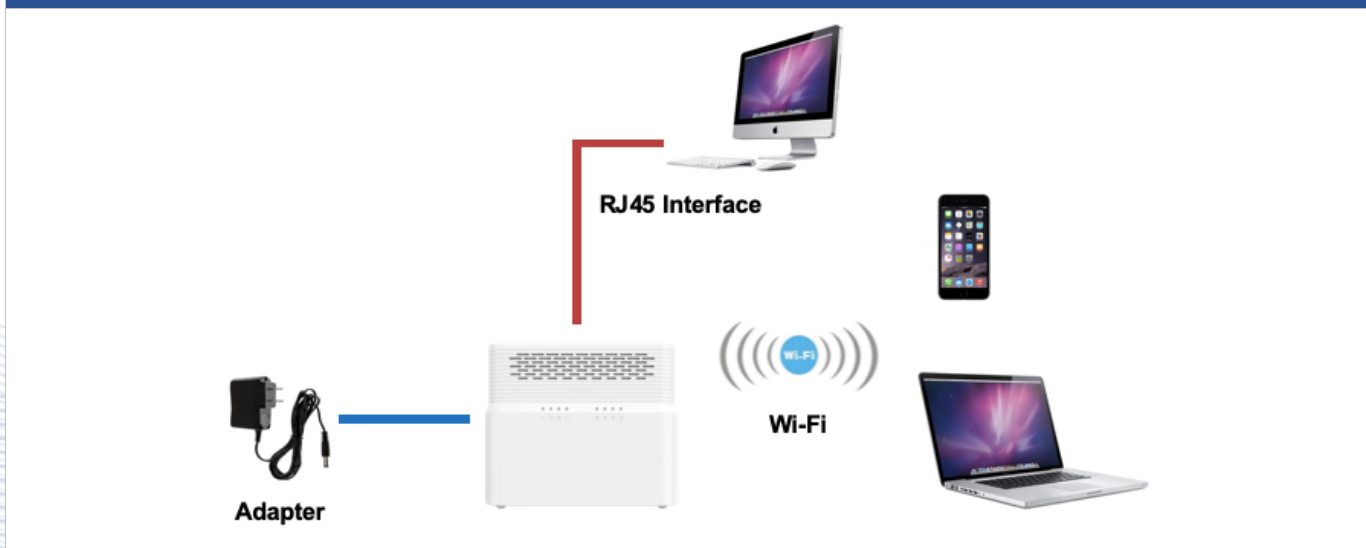
HARDWARE SPECIFICATIONS	
LTE Standard	3GPP Release 10/11, CAT 6
Flash	2 GB
RAM	2 GB
Ethernet LAN Port	2 gigabit RJ45 LAN port 10/100/1000M auto-sensing, auto-MDI/ MDIX
Voice Port (Optional)	1 RJ11
LED	8 LED Indicators (PWR, Wi-Fi, TEL, NET, RF Signal x 4)
SIM	1 USIM/ SIM (3FF)
Reset/Reboot Button	Tact Switch
Antennas	4 built-in antennas
Dimensions	204.5 mm x 169 mm x 60 mm   8.03 in x 6.65 in x 2.36 in
Weight	< 500 g   1.1 lbs.
Power Consumption	< 12W
Power Adapter	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
	Bridge Mode
<b>Device Management</b>	TR069
	SNMP
	WebUI
	Software Upgrade - FOTA
<b>Network Protocols and Features</b>	Multi-APN
	NAT/NATP
	SNTP/NITZ
	Static Routing
	Virtual server and DMZ
	DNS relay and DDNS
	IGMP snooping and IGMP proxy
	DHCP server

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## 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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