

## 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: FDD 1/3/7/8/20/(28) TDD 38/(40)/41/42/43/48
	Option 2 (Prototype)	LTE: FDD 2/4/5/8/12/14/17/25/26/66 TDD 38/41/42/43/48
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	3 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: 2 dBi	
	5 GHz: 3 dBi	

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

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 (3)

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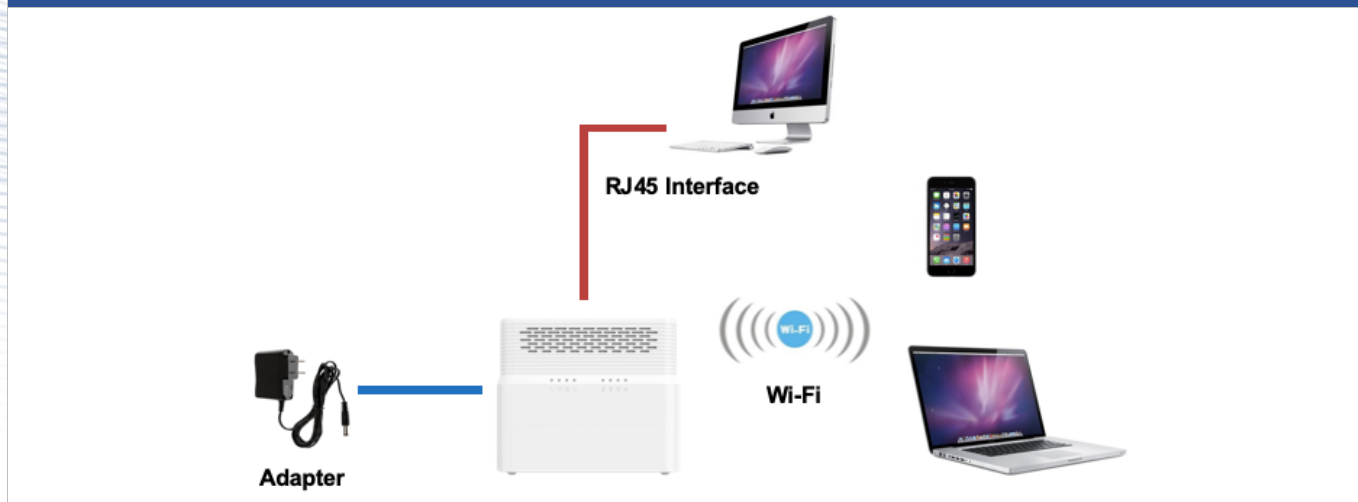
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<b>Antennas</b>	4 built-in antennas
<b>Dimensions</b>	204.5 mm x 169 mm x 60 mm   8.03 in x 6.65 in x 2.36 in
<b>Weight</b>	< 500 g   1.1 lbs.
<b>Power Consumption</b>	< 12W
<b>Power Adapter</b>	AC 100 ~ 240V DC 12V 2A

### ENVIRONMENT SPECIFICATIONS

<b>Temperature</b>	Operating	-10 °C ~ 45 °C   14 °F ~ 113 °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>LAN</b>	1000 Mbps MDI/ MDIX auto-sensing IEEE802.3/ 802.3u/ 802.3ab - compatible
<b>Device Management</b>	TR069 SNMP Integrity check Version rollback Software upgrade HTTP/FTP auto upgrade Port mirror

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	<p>Syslog</p> <p>Diagnostics</p>
<b>Routing Mode</b>	<p>Route mode</p> <p>Bridge mode</p> <p>NAT mode</p> <p>IPv4/IPv6 dual stack</p>
<b>VPN</b>	<p>IPsec</p> <p>L2TP over IPsec</p> <p>GRE over IPsec</p> <p>GRE L2/L3</p> <p>PPTP</p> <p>L2TP V2/V3</p>
<b>Security</b>	<p>Firewall</p> <p>MAC address filtering</p> <p>IP address filtering</p> <p>URL filtering</p> <p>UPnP</p> <p>Port forwarding</p> <p>DMZ</p> <p>HTTPS login from WAN</p> <p>Redirect ICMP to the host</p>
<b>VoIP/ VoLTE Functions</b>	<p>Call waiting</p> <p>Call hold/ resume</p> <p>Call forward on busy/ no answer</p> <p>Call transfer: blind transfer/ attended transfer/ early attended transfer</p> <p>3-way conferencing</p> <p>Caller ID display/ blocking</p> <p>DTMF</p> <p>FAX/modem</p>
<b>Wi-Fi Functions</b>	<p>Configuration through Web UI or TR069</p> <p>Encryption: Un-encrypted, WEP-OPEN, WEP-SHARED, WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES)</p> <p>Maximum users: 32</p> <p>Support SSID broadcasting</p> <p>Support multiple SSID</p> <p>Self-adaptive and manual channel select</p> <p>Support guest network</p>

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### APPENDIX-DELIVERS

<b>Assembled Product</b>	1 PCS
<b>Ethernet Cable</b>	1 M
<b>Power Adapter</b>	1 PCS

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