

CP660 CPE DATASHEET



CP660

LTE Indoor CPE

3GPP Release 10/11

CAT6

All LTE Bands

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	CP660-A	FDD 1/3/7/8/20/28 TDD 38/40/41/42/43/48
	CP660-B	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	

HARDWARE SPECIFICATIONS	
Chip set	GCT GDM7243QT MT 7621DA
LTE Standard	3GPP Release 10/11, CAT 6
Flash	GCT7243QT – 2 GB MT7621DA – 1 GB
RAM	GCT7243QT – 2 GB MT7621A – 1 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)

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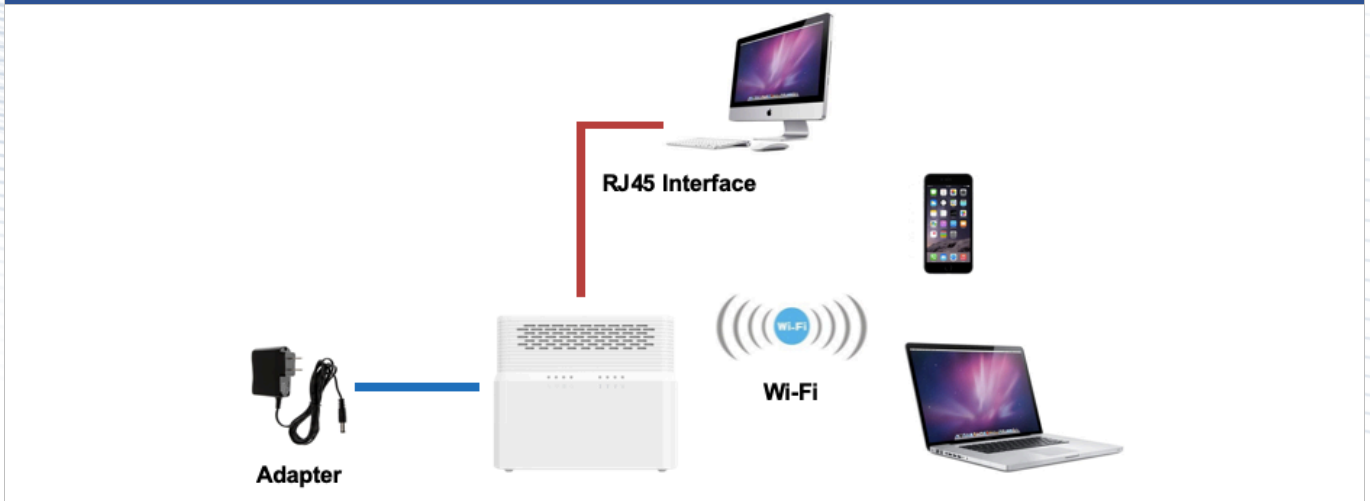
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Reset/Reboot Button	Tact Switch (3)
Antennas	4 built-in antennas
Dimensions	204.5 mm x 169 mm x 60 mm 8.03 in x 6.65 in x 2.36 in
Weight	< 500 g 1.1 lbs.
Power Consumption	< 12W
Power Adapter	AC 100 ~ 240V DC 12V 2A

ENVIRONMENT SPECIFICATIONS

Temperature	Operating	-10 °C ~ 45 °C 14 °F ~ 113 °F
	Storage	-40 °C ~ 85 °C -40 °F ~ 185 °F
Humidity	Operating	5 ~ 95% (Non-condensing)
	Storage	5 ~ 95% (Non-condensing)

TOPOLOGY



SOFTWARE SPECIFICATIONS

Peak Throughput	TDD DL 220 Mbps UL15 Mbps FDD DL 300 Mbps UL75 Mbps
LAN	1000 Mbps MDI/ MDIX auto-sensing IEEE802.3/ 802.3u/ 802.3ab - compatible
Device Management	TRO69 SNMP Integrity check Version rollback Software upgrade HTTP/FTP auto upgrade

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	<ul style="list-style-type: none"> Port mirror Syslog Diagnostics
Routing Mode	<ul style="list-style-type: none"> Route mode Bridge mode NAT mode IPv4/IPv6 dual stack
VPN	<ul style="list-style-type: none"> IPsec L2TP over IPsec GRE over IPsec GRE L2/L3 PPTP L2TP V2/V3
Security	<ul style="list-style-type: none"> Firewall MAC address filtering IP address filtering URL filtering UPnP Port forwarding DMZ HTTPS login from WAN Redirect ICMP to the host
VoIP/ VoLTE Functions	<ul style="list-style-type: none"> 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
Wi-Fi Functions	<ul style="list-style-type: none"> Configuration through Web UI or TR069 Encryption: Un-encrypted, WEP-OPEN, WEP-SHARED, WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES) Maximum users: 32 Support SSID broadcasting Support multiple SSID Self-adaptive and manual channel select Support guest network

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APPENDIX-DELIVERS

Assembled Product	1 PCS
Ethernet Cable	1 M
Power Adapter	1 PCS

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