



# CP660

LTE Indoor CPE

3GPP Release 10/11

CAT6

All LTE Bands

802.11a/b/g/n/ac

VoIP or VoLTE

The CP660 from BTI Wireless 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.

## RF SPECIFICATIONS

<b>Supports Bands</b>	<b>CP660-A</b>	FDD 1/3/7/8/20/28 TDD 38/40/41/42/43/48
	<b>CP660-B</b>	FDD 2/4/5/8/12/14/17/25/26/66 TDD 38/41/42/43/48
<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	3 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: 2 dBi	
	5 GHz: 3 dBi	

## HARDWARE SPECIFICATIONS

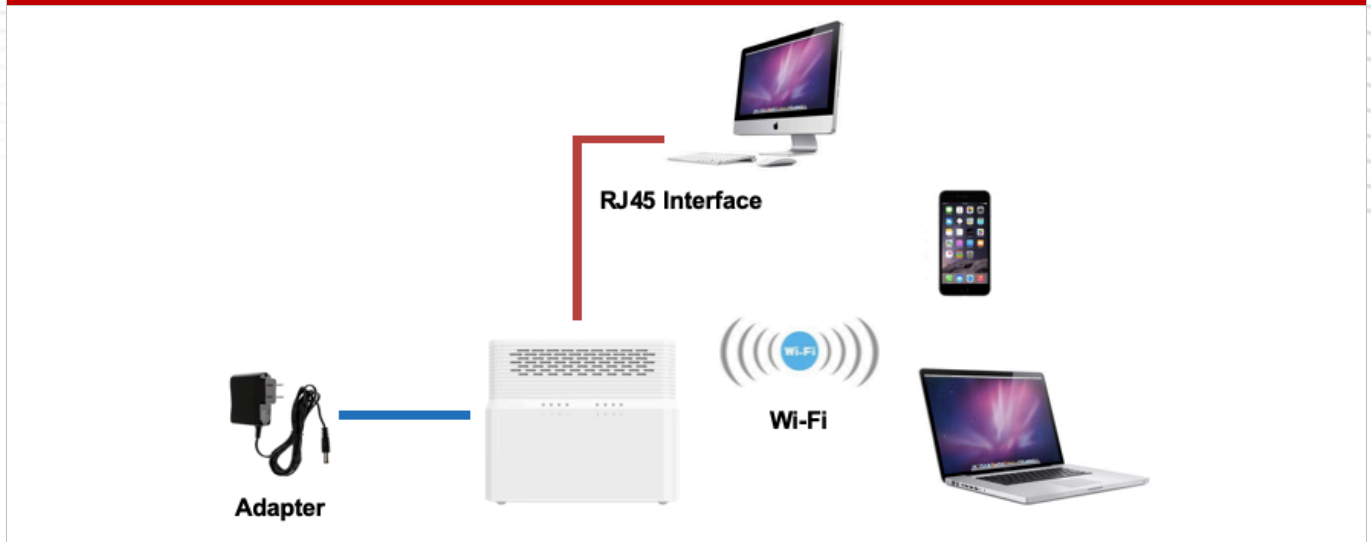
<b>Chip set</b>	GCT GDM7243QT MT 7621DA
<b>LTE Standard</b>	3GPP Release 10/11, CAT 6
<b>Flash</b>	GCT7243QT – 2 GB MT7621DA – 1 GB
<b>RAM</b>	GCT7243QT – 2 GB MT7621A – 1 GB
<b>Ethernet LAN Port</b>	2 gigabit RJ45 LAN port 10/100/1000M auto-sensing, auto-MDI/ MDIX
<b>Voice Port (Optional)</b>	1 RJ11
<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 (3)
<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



	<ul style="list-style-type: none"> <li>Port mirror</li> <li>Syslog</li> <li>Diagnostics</li> </ul>
<b>Routing Mode</b>	<ul style="list-style-type: none"> <li>Route mode</li> <li>Bridge mode</li> <li>NAT mode</li> <li>IPv4/IPv6 dual stack</li> </ul>
<b>VPN</b>	<ul style="list-style-type: none"> <li>IPsec</li> <li>L2TP over IPsec</li> <li>GRE over IPsec</li> <li>GRE L2/L3</li> <li>PPTP</li> <li>L2TP V2/V3</li> </ul>
<b>Security</b>	<ul style="list-style-type: none"> <li>Firewall</li> <li>MAC address filtering</li> <li>IP address filtering</li> <li>URL filtering</li> <li>UPnP</li> <li>Port forwarding</li> <li>DMZ</li> <li>HTTPS login from WAN</li> <li>Redirect ICMP to the host</li> </ul>
<b>VoIP/ VoLTE Functions</b>	<ul style="list-style-type: none"> <li>Call waiting</li> <li>Call hold/ resume</li> <li>Call forward on busy/ no answer</li> <li>Call transfer: blind transfer/ attended transfer/ early attended transfer</li> <li>3-way conferencing</li> <li>Caller ID display/ blocking</li> <li>DTMF</li> <li>FAX/modem</li> </ul>
<b>Wi-Fi Functions</b>	<ul style="list-style-type: none"> <li>Configuration through Web UI or TR069</li> <li>Encryption: Un-encrypted, WEP-OPEN, WEP-SHARED, WPA-PSK (TKIP), WPA-PSK (AES), WPA2-PSK (TKIP), WPA2-PSK (AES)</li> <li>Maximum users: 32</li> <li>Support SSID broadcasting</li> <li>Support multiple SSID</li> <li>Self-adaptive and manual channel select</li> <li>Support guest network</li> </ul>

**APPENDIX-DELIVERS**

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

Contact Us

[www.btiwireless.com](http://www.btiwireless.com)[sales@btiwireless.com](mailto:sales@btiwireless.com)