



CPX60P

5G Sub-6 Indoor CPE

CAT20

5G NR/LTE/WCDMA

Wi-Fi 6 (802.11ax)

The CPX60P from BTI WIRELESS is a 5G indoor CPE, providing hyper 5G experience for global carriers and partners. This 5G router is compatible with 4G networks and spectrum and its actual throughput is 10 times higher than 4G LTE. With the CPX60P, consumers will enjoy faster wireless broadband data speeds versus fiber-based solutions, without the need for aerial or underground cabling. Whether you use it at home or in the office, the CPX60P provides a truly wireless broadband experience.

KEY FEATURES

- Qualcomm SDX55 single chip solution
- 5G NR and LTE-A CAT20 dual modes
- Supports both SA and NSA
- 2 SKUs support European, Asian, and North American 5G NR bands
- Supports Wi-Fi 6 (802.11ax), maximum 5.95 Gbit/s throughput
- VoLTE or VoIP voice (optional)
- Powerful software features, supporting all the router features
- Web, TR069 and SNMP based device management

SYSTEM ELEMENTS



HARDWARE SPECIFICATIONS

Technical Standard	WAN	5G NR/LTE/WCDMA
	LAN	IEEE 802.3/802.3u
	WLAN	IEEE 802.11a/b/g/n/ac/ax
Cellular Bands (CPX60P – A Version)	5G NR	n1/n28/n41/n77/n78/n79
	LTE	B1/B2/B3/B5/B7/B8/B34/B39/B40/B41
	WCDMA	B1/B2/B5/B8
	WLAN	2.4 GHz and 5 GHz with QAM1024 support
Cellular Bands (CPX60P – B Version)	5G NR	n2/n5/n7/n12/n25/n41/n48/n66/n71/n77/n78
	LTE	B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B41/B42/B43/ B46 (LAA)/B48/B66/B71

	WCDMA	B1/B2/B4/B5/B8
	WLAN	2.4 GHz and 5 GHz with QAM1024 Support
External Port	2 x RJ45 gigabit ethernet port 1 x DC jack 1 x SIM slot (4FF)	
Antenna	4 built-in antennas for cellular 2 built-in antennas for Wi-Fi	
LED Indicators	1 x power indicator 1 x WLAN indicator 1 x net indicator 1 x tri-color signal strength indicator	
Button	1 x reset button 1 x multi-function button	
Carrier Aggregation	CPX60P – AE version LTE: 3 DLCA CPX60P – NA version LTE: 7 DLCA	
Maximum Transmission Power	5G NR sub 6 bands	Class 3 - 23±1dBm
	CPX60P- AE version 5G NR n41/n77/n78/n79	Class 2 - 26±1dBm
	CPX60P- NA version 5G NR n41/n78	Class 3 - 23±1dBm
	4G LTE	Class 3 - 23±1dBm
	WCDMA	Class 3 - 23.5±1dBm
Cellular Data Throughput (CPX60P – A Version)	5G SA	Downlink: 1Gbps; Uplink: 900Mbps
	5G NSA/ENDC	Downlink: 1Gbps; Uplink: 525Mbps
	LTE-A (CAT 20)	Downlink: 1Gbps; Uplink: 150Mbps
Cellular Data Throughput (CPX60P – B Version)	5G SA	Downlink: 1Gbps; Uplink: 450Mbps
	5G NSA/ENDC	Downlink: 1Gbps; Uplink: 525Mbps
	LTE-A (CAT 20)	Downlink: 1Gbps; Uplink: 150Mbps
Power Supply	DC 12V/ 2A	
Power Consumption	< 24W	
Dimensions (Maximum)	105 x 105 x 215 mm 4.13 x 4.13 x 8.46 in	
Weight	≈ 1 kg 2.20 lbs	
Humidity	5% ~ 95% Non-condensing	
Temperature	Working temperature: -10 °C ~ +45 °C +14 °F ~ +113 °F	
	Storage temperature: -40 °C ~ +70 °C -40 °F ~ +158 °F	

SOFTWARE SPECIFICATIONS

Data Services	4 x APNs		
	Multiple PDN		
	IPV4/IPV6 dual stack support		
LAN	DHCP V4/V6		
	DNS and DNS proxy		
	DMZ		
	UPNP		
	ALG		
	ARP/ICMP/IGMP		
Management	Version Management: Image checksum		
	HTTP/FTP auto-upgrade		
	TR069	Upload/ Download the ACS specified file	
		Download the configuration file	
		Configure & queries parameters	
		Remote upgrade	
		Remote debugging operations	
	Cycle monitor		
	SNMP		
	WebGUI/ CLI	Different level of user login priority with various limitation and display	
		Encryption backup current settings and restore the backup settings	
		Export diagnosis results and operation logs	
		Statistics of LAN link status, transmit and receive traffic and up time	
Diagnostics			
USIM PIN management and card authentication			
USIM activation			
NAT/Bridge mode			
Port mirror/Port forwarding			
VPN & Routing	Static Routing		
	IPSec		
	PPTP		
	GRE tunnel		
	L2TP V2/V3		
Security	Firewall		
	Mac address filtering		

	IP address filtering
	URL filtering
	Access control
	HTTPS login from WAN
	DDOS attack protection
	Hierarchical user management

COMPLIANCE SPECIFICATIONS

Environment Compliance	Cold: IEC 60068-2-1
	Dry heat: IEC 60068-2-2
	Damp heat cyclic: IEC 60068-2-30
	Change of temperature: IEC 60068-2-14
	Shock: IEC60068-2-27
	Free fall: IEC60068-2-32
	Vibration: IEC60068-2-6

Contact Us

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