

CPX60I

5G Industrial Indoor CPE



CAT20

5GNR/LTE/WCDMA

USB 3.0/RJ45

RS485/RS232

Sub-6

The CPX60I from BTI WIRELESS is a 5G Industrial Indoor CPE. It provides high-speed data transmission for video and other bandwidth-intensive applications on various 4G and 5G spectrums. Sustainable and solid, the CPX60I is ideal for manufacturing, surveillance, and other industrial applications as it meets strict and critical environmental requirements.

KEY FEATURES

- Qualcomm SDX55 single chip solution
- 5G NR and LTE-A CAT20 dual mode
- Supports BOTH SA and NSA
- 2 SKUs support European, Asian, and North American 5G NR bands
- Ruggedized and anti-vibration design
- Powerful software features, supporting all router features
- Web, TR069 and SNMP based device management
- Supports USB 3.0, serial ports, and GE ports

HARDWARE SPECIFICATIONS

Technical Standard	WAN	5G NR/LTE/WCDMA
	LAN	IEEE 802.3/802.3u
Cellular Bands (CPX60I – AE Version)	5G NR	n1/n3/n5/n7/n8/n20/n28/n38/n40/n41/n77/n78/n79
	LTE	B1/B3/B5/B7/B8/B18/B19/B20/B28/B32/B38/B40/B41/B42/B43
	WCDMA	B1/B3/B5/B8/B19
*Cellular Bands (CPX60I – NA Version) (Optional)	5G NR	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/n71/n77/n78/n79
	LTE	B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/B20/B25/B26/B28/B29/B30/B32/B34/B38/B39/B40/B41/B42/B43/B48/B66/B71
	WCDMA	B1/B2/B3/B4/B5/B6/B8/B19
External Port	4 x RJ45 gigabit ethernet ports 2 x SIM slots (4FF, dual SIM single standby) 2 x DI/DO 1 x RS485 1 x RS232 1 x USB 3.0	
Antenna	AE version: 6 SMA antenna ports for cellular NA version: 4 SMA antenna ports for Cellular, 2 SMA antenna port for Wi-Fi	
MIMO	AE/NA version	LTE/NR DL 4x4 MIMO, UL 2x2 MIMO
	NA version	Wi-Fi 2x2 MIMO
LED Indicators	1 x power indicator 1 x network status indicator 1 x SIM indicator 3 x signal strength indicators	
Button	1 x reboot or restore button	
Carrier Aggregation	LTE: 3CA and UL intra-band CA	
Maximum Transmission Power	5G NR sub 6 bands	Class 3 - 23dBm
	5G NR n41/n77/n78/n79	Class 2 - 26dBm

Maximum Transmit Throughput (CPX60I – AE Version)	4G LTE	Class 3 - 23dBm
	WCDMA	Class 3 - 23dBm
	5G SA Sub-6 GHz Data Rate	1 Gbps (DL)/900 Mbps (UL)
	5G NSA Sub-6 GHz Data Rate	1 Gbps (DL)/600 Mbps (UL)
	LTE Data Rate	1 Gbps (DL)/150 Mbps (UL)
Maximum Transmit Throughput (CPX60I – NA Version)	WCDMA Data Rate	42 Mbps (DL)/5.76 Mbps (UL)
	5G SA Sub-6 GHz Data Rate	1 Gbps (DL)/450 Mbps (UL)
	5G NSA Sub-6 GHz Data Rate	1 Gbps (DL)/650 Mbps (UL)
	LTE Data Rate	1 Gbps (DL)/200 Mbps (UL)
	WCDMA Data Rate	42 Mbps (DL)/5.76 Mbps (UL)
Power Supply	DC 12V ~ 36V	
Power Consumption	< 24W	
Dimensions (Maximum)	187 x 110 x 51.5 mm 7.36 x 4.33 x 2.03 in	
Weight	< 1 kg 2.2 lbs	
Humidity	5% ~ 95% Non-condensing	
Temperature	Operating temperature: -40 °C ~ +45 °C -40 °F ~ +113 °F	
	Storage temperature: -40 °C ~ +70 °C -40 °F ~ +158 °F	

**Customized Model. Please confirm with BTI for specific requirements*

SOFTWARE SPECIFICATIONS

Data Services	4 x APNs (2 for data, 1 for voice, 1 for management)	
	Multiple PDN (up to 16 PDNs)	
	IPV4/IPV6 compliance	
LAN	DHCPV4/ DHCPV6 server/ client	
	DNS and DNS proxy	
	DMZ	
	UPNP	
	ALG (optional)	
	Multi-cast	
	MAC address filtering	
Management	Version management	Image checksum
		Active version and backup version
		Rollback mechanism when upgrade fails
	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	Various level of user login priority with different limitation and display
		Encryption backup current settings and restore the backup settings
		Export current 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	
VPN & Routing	Bridge mode/ Bypass mode	
	NAT mode	
	Port mirror	
	ARP	
	IPV4/IPV6 dual stack	
	Port forwarding	

Security	IPSec
	PPTP
	GRE tunnel
	L2TP V2/V3
	VPN pass-through
	Firewall
	Mac address filtering
	IP address filtering
Security	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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