

CPX60I

5G Industrial Indoor CPE

CAT20 5GNR/LTE/WCDMA USB 3.1/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.

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KEY FEATURES

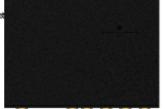
- Qualcomm SDX55 single chip solution
- 5G NR and LTE-A CAT20 dual mode
- Supports BOTH SA and NSA
- 2 SKUs support European, Asian and North American 5G NR bands
- Ruggedized and anti-vibration design
- Powerful software features, supporting all router features
- Web, TR069 and SNMP based device management
- Supports USB 3.1, serial ports and GE ports

SYSTEM ELEMENTS











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HARDWARE SPECIFICATIONS			
Technical Standard	WAN	5G NR/LTE/WCDMA/HSPA+	
	LAN	IEEE 802.3/802.3u	
Cellular Bands (CPX60I – AE Version)	5G NR	n1/n28/n41/n77/n78/n79	
	LTE	B1/B2/B3/B5/B7/B8/B20/B25/B28/B34/B39/B40/B41	
	WCDMA	B1/B2/B4/B5/B8	
*Cellular Bands (CPX60I – NA Version)	5G NR	n2/n5/n12/n25/n41/n66/n71/n78	
	LTE	B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B41/B42/B4	
		8/B66/B71	
	WCDMA	B1/B2/B4/B5/B8	

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External Port	4 x RJ45 gigabit ethernet ports					
	2 x SIM slots (4FF, dual SIM single standby)					
	2 x DI/DO ports for RS485/RS232					
	1 x USB 3.1					
Antenna	6 SMA antenna ports for cellular					
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 CA					
	NR: 2CA (available for software upgrade)					
	5G NR sub 6 bands		Class 3 - 23dBm			
Maximum Transmission	5G NR n41/n77/n78/n79		Class 2 - 26dBm			
Power	4G LTE		Class 3 - 23dBm			
	WCDMA Class		Class 3 - 23dBm	3 - 23dBm		
		5G NF	(gigabit ethernet port)	930 Mbps		
	Downlink	4G LTE (gigabit ethernet port)		930 Mbps		
Maximum Transmit		5G NR SA Sub 6		900 Mbps		
Throughput		5G NR NSA Sub 6		650 Mbps		
	Uplink	4G LTE		200 Mbps		
		WCDMA		5.76 Mbps		
Power Supply	DC 12V ~ 36V					
Power Consumption	< 24W					
Dimensions (Maximum)	187 mm x 110 mm x 51.5 mm	n 7.36 in	x 4.33 in x 2.03 in			
Weight	< 1 kg 2.2 lbs					
Humidity	5% ~ 95%					
Tomporature	Operating temperature: -10 °C ~ 45 °C 14 °F ~ 113 °F					
Temperature	Storage temperature: -40 °C ~ 70 °C -40 °F ~ 158 °F					

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	IEEE 802.1Q VLAN		
	DHCPV4/ DHCPV6 server/ client		
	DNS and DNS proxy		
	DMZ		
	UPNP		
	ALG		
	Multi-cast/ Multi-cast proxy		

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	MAC address fi	MAC address filtering		
	GPS broadcast	to LAN		
	Varian	Image checksum		
	Version	Active version and backup version		
	management	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		
Management	SNMP			
		Various level of user login priority with different limitation and		
		display		
		Encryption backup current settings and restore the backup		
	WebGUI/ CLI	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			
	Route mode			
	Bridge mode/ Bypass mode			
	NAT mode			
	Static mode			
	Port mirror			
	ARP			
VPN & Routing	IPV4/IPV6 dual stack			
	Port forwarding			
	IPSec			
	РРТР			
	GRE tunnel			
	L2TP V2/V3			
	VPN pass-through			
	Firewall			
Security	Mac address filtering			
Jecunty	IP address filtering			
	URL filtering			

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Access control	
HTTPS login from WAN	2

DDOS attack protection

Hierarchical user management

COMPLIANCE SPECIFICATIO	ONS	
Certification Compliance	CCC/ SRRC/ NAL	
	CE	
	RCM	
	ROHS	
	REACH	
	WEEE	_
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	

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