

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.



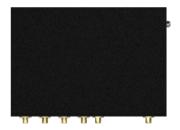
KEY FEATURES

- 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













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)	5G NR	n1/n2/n3/n5/n7/n8/n12/n20/n25/n28/n38/n40/n41/n48/n66/n
		71/n77/n78/n79
	LTE	B2/B4/B5/B7/B12/B13/B14/B17/B25/B26/B29/B30/B41/B42/B4
		8/B66/B71
	WCDMA	B1/B2/B3/B4/B5/B6/B8/B19

Copyright $\ @$ 2021 BTI WIRELESS All rights reserved.



CPX60I CPE DATASHEET

	4 x RJ45 gigabit ethernet ports				
External Port	2 x SIM slots (4FF, dual SIM single standby)				
	2 x DI/DO ports for RS485/RS232				
	1 x USB 3.1				
Antenna	AE version: 6 SMA antenna ports for cellular				
Antenna	NA version: 4 SMA antenna ports for Cellular, 2 SMA antenna port for Wi-Fi				
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 3 - 23dBm				
	Downlink	5G NR (gigabit ethernet port)	930 Mbps		
		4G LTE (gigabit ethernet port)	930 Mbps		
Maximum Transmit		5G NR SA Sub 6	900 Mbps		
Throughput	11 -12 -1	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 x 110 x 51.5 mm 7.36 x 4	.33 x 2.03 in			
Weight	< 1 kg 2.2 lbs				
Humidity	5% ~ 95%				
Tamananatum-	Operating temperature: -40 °C ~ +45 °C -40 °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	

Copyright © 2021 BTI WIRELESS All rights reserved.



CPX60I CPE DATASHEET

	UPNP ALG Multi-cast/ Multi-cast proxy			
	MAC address filtering GPS broadcast to LAN			
	Version	Image checksum		
	management	Active version and backup version		
	management	Rollback mechanism when upgrade fails		
	HTTP/FTP auto-upgrade			
		Upload/ Download the ACS specified file		
		Download the configuration file		
	TDOCO	Configure & queries parameters		
	TR069	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	n		
	Route mode			
	Bridge mode/ B	Bridge mode/ Bypass mode		
	NAT mode			
	Port mirror			
	ARP			
	IPV4/IPV6 dual	IPV4/IPV6 dual stack		
VPN & Routing	Port forwarding			
	IPSec			
	PPTP			
	GRE tunnel			
	L2TP V2/V3			
	VPN pass-through			
	6000 011 0401			

Copyright © 2021 BTI WIRELESS All rights reserved.



CPX60I CPE DATASHEET

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

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

Contact Us www.btiwireless.com sales@btiwireless.com