

CP980

LTE Outdoor Industrial CPE

TR069

IP67

3GPP Release 14 CAT16 DL Wi-Fi 6 (802.11ax)

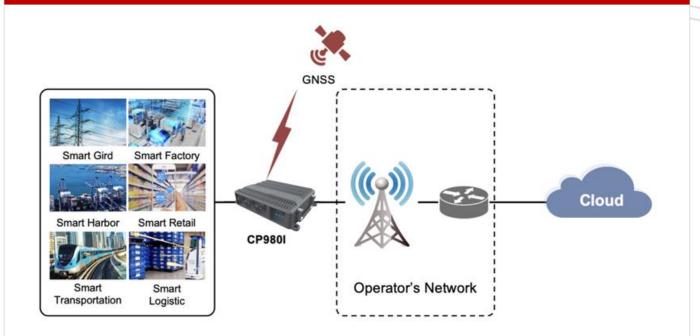
The CP980I outdoor CPE from BTI WIRELESS provides LTE service in a ruggedized form factor. With an operating temperature range of -40 to +70 degree Celsius endurance, this product offers industrial-grade environmental qualifications while providing higher speeds data services for video and other bandwidth-intensive applications.

The CP980I has very strong anti-vibration ability, which qualifies it for extreme industrial environments and ideally suited for rail, transportation, mining, oil and gas, manufacturing, and other outdoor applications. The device can support multi-bands for LTE and can provide accurate real-time location information. The built-in GNSS receiver supports GPS, GLONASS, BEIDOU and Galileo constellations.



CELLULAR SPECIFICATIONS			
Category	3GPP Release 14 CAT16 DL		
Deal Throughout	DL: 1Gbps (CAT16)		
Peak Throughput	UL: 150Mbps (CAT13)		
Frequency Bands	LTE Bands	LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B14/B17/B18/B19/ B20/B25/B26/B28/B29/ B30/B32/B66 LTE-TDD: B38/B39/B40/B41/B42/B43/B46(LAA)/B48(CBRS)	
	WCDMA	B1/B2/B3/B4/B5/B6/B8/B19	
Carrier Aggregation and MIMO	DL: 5CA intra or inter band/4x4MIMO/256QAM		
Carrier Aggregation and Minvio	UL: 2CA intra band (CA_3C, CA_41C)/64QAM		
Tx / Rx	1Tx / 4Rx		
Transmit Power	Power Class 3 (23±2dBm)		
	Supports 2.4GHz/5GHz dual band		
Wi-Fi	IEEE802.11 b/g/n/ac/ax Wi-Fi		

TOPOLOGY



HARDWARE SPECIFICATIONS		
Chipset Qualcomm IPQ6010 + SDX24		
Fixed Interfaces	1 x M12 for Power supply	
	1 x M12 for 10/100/1000Mbps compatible GE port	



		1 x M12 for 2.5GHz GE port	
		1 x M12 for RS232 + 2 x DI + 2 x DO	
		1 x M12 for RS485	
		2 x Nano SIM Slot (4FF, Dual SIM Single Active)	
-		3 x TNC female for LTE antennas	-
A	ntenna Ports	1 x TNC female for LTE&GNSS antenna	-
		2 x TNC female for Wi-Fi antennas	-
G	NSS	Supports GPS, GLONESS, BEIDOU and Galileo	
		1 x Power indicator	
5 LI	ED Indicator	1 x Network status indicator	-
		1 x RSSI indicator	
В	utton	1 x Reboot or Restore Button	2
P	wer Consumption < 18W		-
	perating Voltage 9V ~ 36V DC		
_			
D	imensions	250 x 171 x 61mm 9.84 x 6.73 x 2.40 in	
v	Veight	≈ 2 kg 4.41 lbs	

SOFTWARE SPECIFICAT	IONS		
	Multiple A	PN support, maximum 4	
WAN	Multi PDN		
	IPv4/IPv6 dual stack		
LAN	VLAN 802.1Q		
	DHCP V4/V6		
	DNS and DNS proxy		
	DMZ		
	UPNP		
	ALG		
	ARP/ICMP/IGMP		
	MAC address Filtering		
	Version ma	anagement: Image Checksum	
	HTTP/FTP	Auto Upgrade	
	TR069	Upload/ Download the ACS specified file	
		Download the configuration file	
Device Management		Configure & queries parameters	
		Remote upgrade	
		Remote debugging operations	
		Cycle monitor	
	SNMP		



		Different level of user login priority and different limitation and display	
WebGl	WebGUI/	Encryption backup current settings and restore the backup settings	
	CLI	Export current diagnosis results and operation logs	
		Statistics of LAN link status, transmit and receive traffic and up time	-
3	Diagnostics		
	USIM PIN m	anagement and card authentication	-
	USIM activation		
	NAT/Bridge	mode	-
	Port mirror/	'Port forwarding	
	Static Routin	ng	
	IPsec		
VPN and Routing	РРТР		
	GRE Tunnel		
	L2TP v2/v3		
	Firewall		
	MAC addres	s filtering	
	IP address filtering		
Security	URL filtering		-
		Access control	
	HTTPS login from WAN		-
	Dos attack protection		-
	2 level of us	erauthority	

ENVIRONMENT SPECIFICATIONS		
Temperature	Operating	-40 °C ~ +70 °C -40 °F ~ +158 °F
	Storage	-40 °C ~ +85 °C -40 °F ~ +185 °F
Humidity	Operating	10~90%
	Storage	5 ~ 95%

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