CP980I

LTE Outdoor Industrial CPE

TR069

IP67

3GPP Release 14 CAT16 DL

Wi-Fi 6 (802.11ax)

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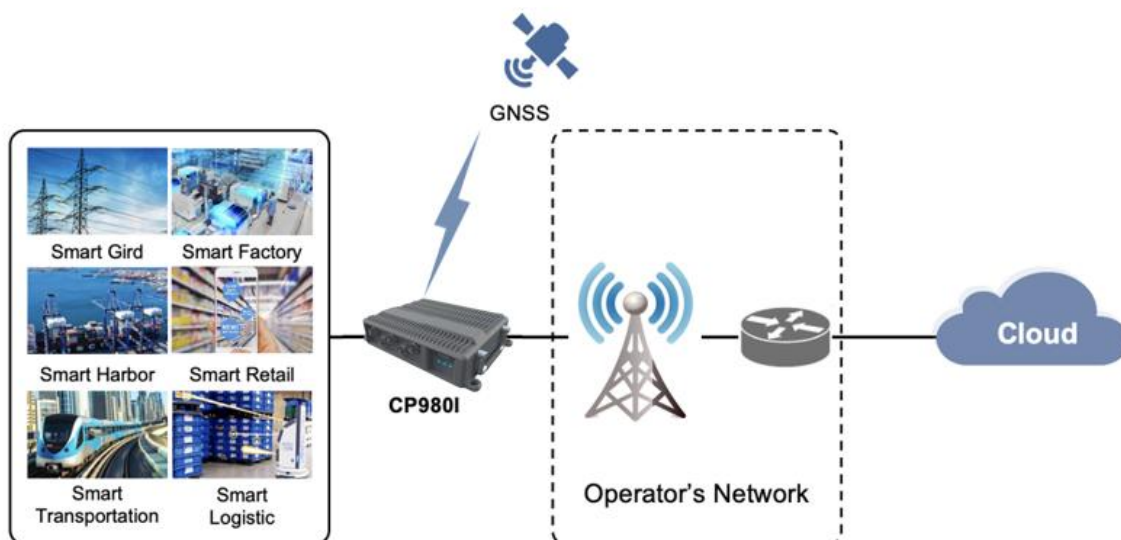
The CP980I has very strong anti-vibration ability, which qualifies it for extreme industrial environments and ideally suited for rail, transportation, mining, oil and gas, manufacturing, and other outdoor applications. The device can support multi-bands for LTE and can provide accurate real-time location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

CP980I CPE DATASHEET

CELLULAR SPECIFICATIONS		
Category	3GPP Release 14 CAT16 DL	
Peak Throughput	DL: 1Gbps (CAT16) 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 UL: 2CA intra band (CA_3C, CA_41C)/64QAM	
Tx / Rx	1Tx / 4Rx	
Transmit Power	Power Class 3 (23±2dBm)	
Wi-Fi	Supports 2.4GHz/5GHz dual band 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

CP980I CPE DATASHEET

	1 x M12 for RS485
	2 x Nano SIM Slot (4FF, Dual SIM Single Active)
Antenna Ports	3 x TNC female for LTE antennas
	1 x TNC female for LTE&GNSS antenna
	2 x TNC female for Wi-Fi antennas
GNSS	Supports GPS, GLONESS, BEIDOU and Galileo
LED Indicator	1 x Power indicator
	1 x Network status indicator
	1 x RSSI indicator
Button	1 x Reboot or Restore Button
Power Consumption	< 18W
Operating Voltage	9V ~ 36V DC
Dimensions	250 x 171 x 61mm | 9.84 x 6.73 x 2.40 in
Weight	≈ 2 kg | 4.41 lbs

SOFTWARE SPECIFICATIONS		
WAN	Multiple APN support, maximum 4	
	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	
Device 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 and 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	
	NAT/Bridge mode	
	Port mirror/Port forwarding	
VPN and 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	
	Dos attack protection	
	2 level of user authority	

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

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