CP8801

LTE Outdoor Industrial CPE

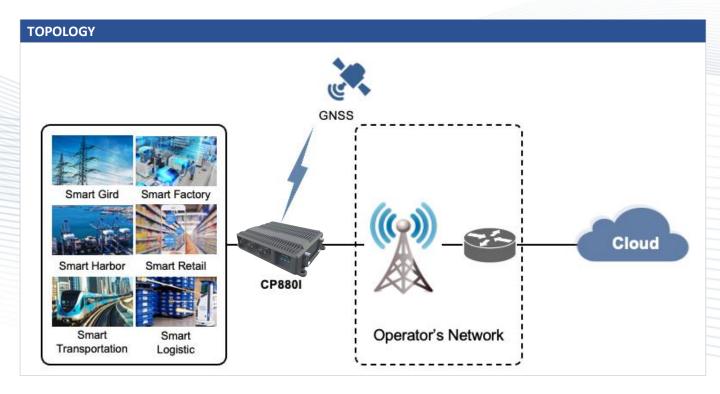


CAT12
IP67
IEEE802.11a/b/g/n/ac Wi-Fi

The CP880I from SUNWAVE is an industrial CPE, providing sustainable and durable LTE service with higher data transmission speed for video and other bandwidth-intensive applications. The industrial CP880I CPE has a special anti-vibration feature, which qualifies it for extreme environments where it can work in a temperature range from -40 °C to 70 °C. It is an ideal industrial CPE for outdoor scenarios with crucial industrial requirements, such as Railway, Transportation, Manufacturing, Mining, Oil and Gas, etc.

The CP880I is integrated with multiple LTE-A modules, which make it possible to connect with multiple bands of private LTE, including uncommon frequencies. The CP880I also provides accurate, real-time location information via the built-in GNSS receiver, able to collaborate with GPS, GLONASS, BEIDOU and Galileo constellations.

CELLULAR SPECIFICATIONS				
Peak Throughput	FDD: DL 400 Mbps UL 150 Mbps			
	TDD: DL 280 Mbps UL 30 Mbps			
LTE Bands	CP880I-A	Band 1/3		
	CP880I-B	Band 2/4/5/8/12/13/14/25/26/38/41/42/43/48/53/66		
	CP880I-C	Band 46/240		
Carrier Aggregation and MIMO	DL: 2 CA Intra- or Inter-band, 2 x 2 MIMO, 256 QAM			
	UL: 2 CA or 2 x 2 MIMO, 64 QAM			
Tx / Rx	2Tx / 2Rx			
EIRP	< 23dBm (Include antenna)			



HARDWARE SPECIFICATIONS		
Fixed Interfaces	1 x M12 for Power	
	2 x M12 for 10/100/1000 Mbps compatible GE	
	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 Standby)	
Antenna Ports	2 x TNC female for cellular antennas	
	1 x TNC female for GNSS antenna	
	2 x TNC female for Wi-Fi antennas	
GNSS	Supports GPS, GLONESS, BEIDOU and Galileo Constellation	

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	Acquisition sensitivity: 148dBm (GPS at cold start)
	Tracking sensitivity: 167dBm (GPS in continuous mode)
LED Indicator	1 x PWR indicates Power Status
	1 x NET indicates Network Status
	1 x RSSI LED indicates SIM/Signal status
Button	1 x Reboot or Restore Button
Power Consumption	< 13W
Power supply	9~36V DC
Dimensions	250 x 171 x 61mm 9.84 x 6.73 x 2.40 in
Weight	≈ 2 kg 4.4 lbs
	EN55032 (CE&RE) Class B
	IEC61000-4-2(ESD) Level 4
	IEC61000-4-3 (RS) Level 2
EMC Compliance	IEC61000-4-4 (EFT) Level 4
	IEC61000-4-5 (Surge) Level 3
	IEC61000-4-6 (CS) Level 2
	Cold: IEC60068-2-1
	Dry heat: IEC 60068-2-2
	Damp heat cyclic: IEC 60068-2-30
Environment	Change of temperature: IEC 60068-2-14
Compliance	Protection Rating: EN60529, IP67
	Shock and Vibration: EN50155
	Free Fall: IEC60068-2-32 (1 meter height with package)
	Salt Mist: IEC 68-2-11, 72H
	Multiple APN support, maximum 4
WAN	IP pass-through
	IPv4/IPv6 dual stack
	VLAN 802.1Q
	DHCP Server
LAN	
LAN	DNS and DNS proxy
	DMZ
	Multicast/Multicast Proxy
Protocol	Routing: static routing
	TR069
Device Management	SNMP V2
	Web UI
	Software upgrade via WEB/ TR069/ FOTA
	USIM PIN management
Routing Mode	Route mode

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	Bridge mode
	NAT mode
	Static route
	Port mirror and port forwarding
	IPv4/ IPv6 dual stack
VPN	РРТР
	GRE tunnel (L2/L3)
	L2TPv2 and L2TPv3
Security	Firewall
	MAC address filtering
	IP address filtering
	URL filtering
	Access control
	HTTPS login from WAN
	Dos attack protection
	2 level of user authority
Reliability	Watchdog for automatic recovery
	Auto-rollback to previous version when upgrade fails
	Dual WAN for link backup

ENVIRONMENT SPE	CIFICATIONS		
Temperature	Operating	-40 °C ~ +70 °C -40 °F ~ +158 °F	
	Storage	-40 °C ~ +85 °C -40 °F ~ +185 °F	
Humidity	5 ~ 95% non-condensing		

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