CP880I

LTE Outdoor Industrial CPE

CAT12

IP67

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

The CP880I from BTI WIRELESS 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.

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| **CELLULAR SPECIFICATIONS** |
| **Peak Throughput** | FDD: DL 400 Mbps UL 150 MbpsTDD: 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 QAMUL: 2 CA or 2 x 2 MIMO, 64 QAM |
| **Tx / Rx** | 2Tx / 2Rx |
| **EIRP** | < 23dBm (Include antenna) |

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| **TOPOLOGY** |
| CPX80I_4 |

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| **HARDWARE SPECIFICATIONS** |
| **Fixed Interfaces** | 1 x M12 for Power2 x M12 for 10/100/1000 Mbps compatible GE1 x M12 for RS232 + 2 x DI + 2 x DO1 x M12 for RS4852 x Nano SIM slot (4FF, Dual SIM Single Standby) |
| **Antenna Ports** | 2 x TNC female for cellular antennas1 x TNC female for GNSS antenna2 x TNC female for Wi-Fi antennas |
| **GNSS** | Supports GPS, GLONESS, BEIDOU and Galileo ConstellationAcquisition 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 |
| **EMC Compliance** | EN55032 (CE&RE) Class B IEC61000-4-2(ESD) Level 4 IEC61000-4-3 (RS) Level 2 IEC61000-4-4 (EFT) Level 4 IEC61000-4-5 (Surge) Level 3 IEC61000-4-6 (CS) Level 2  |
| **Environment Compliance** | Cold: IEC60068-2-1 Dry heat: IEC 60068-2-2 Damp heat cyclic: IEC 60068-2-30 Change of temperature: IEC 60068-2-14 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  |
| **WAN** | Multiple APN support, maximum 4IP pass-throughIPv4/IPv6 dual stack |
| **LAN** | VLAN 802.1Q DHCP Server DNS and DNS proxy DMZ Multicast/Multicast Proxy  |
| **Protocol** | Routing: static routing |
| **Device Management** | TR069SNMP V2Web UISoftware upgrade via WEB/ TR069/ FOTAUSIM PIN management |
| **Routing Mode** | Route modeBridge modeNAT modeStatic routePort mirror and port forwardingIPv4/ IPv6 dual stack |
| **VPN** | PPTPGRE tunnel (L2/L3) L2TPv2 and L2TPv3 |
| **Security** | FirewallMAC address filteringIP address filteringURL filteringAccess controlHTTPS login from WANDos attack protection2 level of user authority |
| **Reliability** | Watchdog for automatic recoveryAuto-rollback to previous version when upgrade failsDual WAN for link backup |

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

Contact Us

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