

OPTION



CloudGate mini

Industrial grade cellular connectivity with fixed functionality



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|-----------------------|---|---|
| WWAN Modem | Supported frequency bands | LTE FDD: B1, B2, B3, B4, B5, B7, B8, B12, B13, B18, B19, B20, B26, B28 TDD: 38/39/40/41 |
| | LTE | Max, connectivity speeds |
| WWAN Modem | Supported frequency bands | UMTS/HSDPA/HSUPA/HSPA+: 800-850/900/AWS (1700/2100)/1800/1900/2100 MHz (B1, B2, B4, B5, B6, B8, B19) |
| | Max, connectivity speeds | DC-HSPA+ DL 42 Mbps, UL 5.76 Mbps |
| | RX Diversity | Simultaneous Equalization and Rx Diversity on all bands |
| WWAN Antenna | Antenna connector | 1xSMA: WWAN Main 1xSMA: WWAN MiMo/Div/GPS |
| | GPS | Standalone GPS, Assisted GPS, GPS OneExtra Wideband GPS processing (20MHz) for improved measurement accuracy Passive/active GNSS (SW selectable) |
| SIM | USIN/SIM connection Class B & Class C Micro 3FF | ✓ |
| CPU | | i.MX280 (ARM926EJ-S @ 450 MHz) Memory available for customer apps 256 MB Flash (20 MB for data, 30 MB for application, 0 MB extra data partition) |
| Ethernet (IEEE 802.3) | 10/100 Mb/s RJ45 connector | ✓ |
| microSD card holder | | on main PCB |
| Power control | Timed Wakeup | ✓ |
| | Ignition Sensing | ✓ |
| Battery | Optional | Li-Ion battery: optional last gasp function (30min) |
| Power input | | DC input voltage: 9-33 V DC Connector: Micro-Fit 3.0TM, Dual row, 4 circuits |

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|----------------------|--|--|
| USB | | ✗ |
| Rear Expansion card | | WAN/LoRa |
| Front Expansion card | | FIXED I2C, 3 x GPIO, RS485 or RS232 and CanBus port (up to 1 Mbps) |
| Aluminum Case | Dimension (115x106x45mm) | ✓ |
| | Weight | 285g |
| | Mounting, Bulkhead, 4x M4 holes, DINrail with adapter | ✓ |
| | System status LED | ✓ |
| Environmentals | Operating temperature | -30°C to +70°C |
| | Storage temperature | -40°C to +85°C |
| | Humidity Operational | 5% - 95% |
| Certifications | | CE, FCC, PTCRB, ISED, AT&T, VZW, US Cellular |
| Std. Compliance | ROHS, Reach, WEEE | ✓ |
| CloudGate Universe | Device can be configured OTA using CloudGate Universe | ✓ |
| For developers | Support CloudGate development kit: developer board, breadboard, SDK, HDK | ✓ |
| In the box | Accessories are available (i.e. Power cable, antenna's etc...) | CloudGate Gateway |
| Product Code | | CM1123 |