

OPTION



# CloudGate mini

## Industrial grade cellular connectivity with advanced IO



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
	Max, connectivity speeds	LTE DL 150 Mbps, UL 50 Mbps
WWAN Modem 3G/2G	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	USIM/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 3.0™, Dual row, 4-position

USB		✗
Rear Expansion card		WAN/LoRa
Front Expansion card		I2C, 3 x GPIO, RS485 or RS232 and CAN bus port (up to 1 Mbps)
Aluminum Case	Dimensions	115x106x45mm 4.52x4.17x1.77in
	Weight	285g / 10.05 oz
	Mounting, Bulkhead, 4x M4 holes, DIN rail with adapter	✓
	System status LED	✓
Environmentals	Operating temperature	-30°C to +70°C -22°F to +158°F
	Storage temperature	-40°C to +85°C -40°F to +185°F
	Operating humidity	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	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

