OPTION

CloudGate

LTE CAT4

NEW

Industrial grade, highly customizable cellular LTE connectivity

- Worldwide LTE Cat 4 Programmable
- Multicarrier Gateway with 3G/2G fallback
- 20 LTE bands (EMEA, Americas, Asia) including TDD bands (China)
- GPS, Glonass (active or passive)
- Highly customizable with 2 expansion card slots
- Optional battery

OPTION

Highly customizable & flexible to integrate and deploy

The CloudGate LTE gateway provides unique flexibility that allows customers and system integrators to tailor the product to their solution or even site specific requirements.
It incorporates two hardware expansion slots that allow the CloudGate to be enhanced with additional radio and/or wired interfaces.
The expansion cards are simple and quick to install, allowing the field upgrade of the device when new functionality is required.

Available expansion cards include :
- WLAN expansion card
- Telematics expansion card with extended IO and CAN
- BLE expansion card
- Smart Metering expansion card

CloudGate 4.0 next generation

CloudGate 4.0 IoT gateways were designed with CloudGate's signature features; including ruggedized design housing, industrial grade temperature ranges, timed wake-up and ignition sensing, sim connection, passive and active GPS antenna support and all are LuvitRED enabled.

NEW! CloudGate 4.0 next generation IoT gateways now feature world-wide connectivity, optional Li-ion battery, and micro-SD holder

Technical Specifications		
WWAN Modem LTE	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, UL50 Mbps
WWAN Modem 3G/2G	Supported frequency bands	• GSM/GPRS/EDGE: 850/900/1800/1900 MHz (B2, B3, B5, B8) • 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 Mbpss
	Rx Diversity	Simultaneous Equalization and Rx Diversity on all bands
WWAN Antenna	Antenna connector	• 1 × SMA: WWAN Main • 1 × SMA: WWAN Mimo/Div/GPS
GPS		• Standalone GPS, Assisted GPS, GPS OneXTRA™ • Wideband GPS processing (20MHz) for improved measurement accuracy • Passive/active GPS antenna support
SIM	USIM/SIM connection – Class B and Class C	Micro-SIM (3FF)
CPU		i.MX280 (ARM926EJ-S @ 450 MHz) Memory available for customer apps 512 MB Flash (20 MB for data, 30 MB for application, 372 MB extra data partition)
Ethernet (IEEE 802.3)	10/100Mb/s RJ45 Connector	2 (LAN/WAN or LAN/LAN)
microSD card holder		on main PCB
Power control	Timed Wakeup	✔
	Ignition Sensing	✔
Battery	Optional	Li-Ion battery: optional last gasp function (up to 1h with limited functionality) Battery backup RTC (7 days)
Power input	9-33V DC	• DC input voltage: 9-33 V DC • Connector: Micro-Fit 3.0TM, Dual row, 4-position; DC, GND sensing input
USB		✔ with optional expansion card
Rear Expansion card		✔ with optional expansion card
Front Expansion card		✔ with optional expansion card
Aluminium Case	Dimensions	115 × 106 × 45 mm 4.52 × 4.17 × 1.77 in
	Weight	285 g / 10.05 oz
	Mounting, Bulkhead, 6xM4 holes, DINrail with adapter	✔
	System status LED	✔
Environ-mentals	Operating temperature	-30°C to +70°C / -22°F to 158°F
	Storage temperature	-40°C to +85°C / -40°F to 185°F
	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	✔
Optional		• Battery

Product	PN
CloudGate LTE WW	CG0124-12135