OPTION

CloudGate
micro

LTE CAT4

NEW

Cost-efficient & effective world-wide LTE connectivity

- Worldwide LTE Cat 4 Programmable Multicarrier Gateway with 3G fallback
- Industrial and building automation protocol convertor
- Secure Remote Access
- Connectivity back-up
- Optional WiFi
- Optional battery backup

OPTION

Smart bit pipe

It serves as a smart bit pipe to the internet and easily connects any device to the Cloud via its Ethernet ports.

Connectivity back-up

It ensures connectivity back-up. Connect its WAN port to an ADSL or cable modem and its LAN port to the router. When the WAN port loses connection, its LTE modem will take over so internet access is always secured.

Secure remote access

CloudGate micro provides remote access over a secure VPN tunnel to the Ethernet device(s) connected to its LAN Ethernet ports.

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	• 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	• 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	✓
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)	10/100Mb/s RJ45 Connector	✓
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)
Power input	9-33V DC	• DC input voltage: 9-33 V DC • Connector: Micro-Fit 3.0TM, Dual row, 4-position
USB		✗
Rear Expansion card		✗
Front Expansion card		✗
Aluminium Case	Dimensions	102 × 97 × 26 mm 4 × 3.8 × 1 in
	Weight	220 g / 7.7 oz
	Mounting, Bulkhead, 6xM4 holes, DINrail with adapter	✓
	System status LED	✓
Environ-mentals	Operating temperature	-30°C to +70°C / -22°F to to 158°F
	Storage temperature	-40°C to +85°C / -40°F to 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 micro	CM0125-12164