

OPTION



CloudGate

Industrial grade, highly customizable cellular connectivity



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 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 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 512 MB Flash (20 MB for data, 30 MB for application, 372 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) Battery backup RTC (7 days)
Power input		DC input voltage: 9-33 V DC Connector: Micro-Fit 3.0™, Dual row, 4-position

USB		with optional expansion board ✓
Rear Expansion card		optional expansion board ✓
Front Expansion card		optional expansion board ✓
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		CG0124

GetWireless

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	
	LTE	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	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 3.0™, 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

OPTION



CloudGate micro

Industrial grade, cost-effective cellular connectivity



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 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	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 3.0™, Dual row, 4-position

USB		✗
Rear Expansion card		✗
Front Expansion card		✗
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		CM0125