

CloudGate

TELEMATICS CARD



CONNECTING THINGS to the Cloud

- Adds flexible I/O and connectivity for industrial telematics applications to CloudGate
- Built in 3 axis accelerometer for movement detection and other applications
- Dual SIM card reader for backup or roaming SIM
- Built in microcontroller offloads all I/O from CloudGate



The Telematics Card allows the CloudGate Intelligent M2M Gateway to be used in advanced industrial telematics applications. The board can accept a range of Option or 3rd party developed I/O expanders that match the card and I/O connector to specific applications.

The base card (CG1106) adds a 3 axis accelerometer with hardware motion detection, dual SIM slots for a backup or roaming SIM card as well as the primary SIM card, USB and USB on the go ports and a DTE DB9 serial port with power over serial support.

The optional I/O expander piggy back board exposes a range of different I/O options including a second serial port, analog and digital inputs and digital outputs. Using different I/O expanders different levels of isolation and voltage ranges can be achieved. I/O Expander including CAN bus is also available. Other I/O configurations including relays, isolated inputs, etc. can be developed on request.

Get your application on the market faster with CloudGate!

Also available



*Specifications are subject to change.
As part of the continual product improvement process, OPTION reserves the right to alter the specifications of this product.
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Features	Description
Telematics base board (CG1106-11957)	
USB type A	<ul style="list-style-type: none"> Allows connection of USB 2.0 HS host devices Power switch and over-current protected
USB OTG micro-AB-type	<ul style="list-style-type: none"> Allows connection of USB 2.0 HS host and slave devices Power switch and over-current protected
9 pin DB9 serial	<ul style="list-style-type: none"> RTS/CTS DSR/DTR flow control DCD/RI available on some models of CloudGate (inquire for more details) DTE interface Supply voltage available via pin 9 (jumper selectable)
3 axis accelerometer	<ul style="list-style-type: none"> ±2g/±4g/±8g, 3-Axis, 12-Bit Digital Accelerometer
2 SIM sockets	<ul style="list-style-type: none"> Adds SIM backup/roaming SIM functionality to CloudGate
Operating temperature	<ul style="list-style-type: none"> -30 to +70°C
Humidity (operational)	<ul style="list-style-type: none"> 5 to 95% RH, non-condensing
Storage temperature	<ul style="list-style-type: none"> -40 to +85°C

Telematics card with I/O Expander (CG5106-11983)	
Telematics card with I/O Expander	<ul style="list-style-type: none"> 'Molex type' connector, 18 pin 5 digital inputs (-/+ 32V) 2 analog inputs (0V to 10V, 12 bits resolution) 6 digital output (push-pull 0V to 3.3V OR open collector 0V to 30V/250mA@0.5V) Auxiliary serial port (RX/TX/CTS/RTS, takes 2 digital inputs & 2 digital outputs) 1-wire interface 4 GND
Other I/O Expander boards	<ul style="list-style-type: none"> Other I/O configurations including relays, isolated inputs, CAN bus, etc. on request.

Telematics card with CAN I/O Expander (CG5106-11984)	
Telematics card with CAN bus & I/O Expander	<ul style="list-style-type: none"> 'Molex type' connector, 18 pin 5 digital inputs (-/+ 32V) 2 analog inputs (0V to 10V, 12 bits resolution) 4 digital output (push-pull 0V to 3.3V OR open collector 0V to 30V/250mA@0.5V) Auxiliary serial port (RX/TX/CTS/RTS, takes 2 digital inputs & 2 digital outputs) 1-wire interface 4 GND CAN bus interface
Other I/O Expander boards	<ul style="list-style-type: none"> Other I/O configurations including relays, isolated inputs, etc. on request.

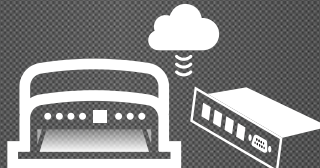


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1. Design and develop powerful applications for industrial telematics solutions



2. Configuration and any custom middleware are automatically installed



3. Device is ready to connect Things to the Cloud

