



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





# 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



WLAN expansion card



Low cost serial card



Industrial serial card



Ethernet switch



CloudGate



Developer card



Breadboard card



SDK + HDK

\*Specifications are subject to change.  
As part of the continual product improvement process, OPTION reserves the right to alter the specifications of this product.  
© 2014 OPTION. Option and the Option logo are registered trademarks of OPTION. All third-party trademarks are the property of the respective owners.  
Option nv - Gaston Geenslaan 14 - 3001 Leuven Belgium - T +32 16 317 411 - F +32 16 207 164 - www.option.com

Features	Description
----------	-------------

### Telematics base board (CG1106-11957)

USB type A	<ul style="list-style-type: none"> <li>Allows connection of USB 2.0 HS host devices</li> <li>Power switch and over-current protected</li> </ul>
USB OTG micro-AB-type	<ul style="list-style-type: none"> <li>Allows connection of USB 2.0 HS host and slave devices</li> <li>Power switch and over-current protected</li> </ul>
9 pin DB9 serial	<ul style="list-style-type: none"> <li>RTS/CTS DSR/DTR flow control</li> <li>DCD/RI available on some models of CloudGate (inquire for more details)</li> <li>DTE interface</li> <li>Supply voltage available via pin 9 (jumper selectable)</li> </ul>
3 axis accelerometer	<ul style="list-style-type: none"> <li>±2g/±4g/±8g, 3-Axis, 12-Bit Digital Accelerometer</li> </ul>
2 SIM sockets	<ul style="list-style-type: none"> <li>Adds SIM backup/roaming SIM functionality to CloudGate</li> </ul>
Operating temperature	<ul style="list-style-type: none"> <li>-30 to +70°C</li> </ul>
Humidity (operational)	<ul style="list-style-type: none"> <li>5 to 95% RH, non-condensing</li> </ul>
Storage temperature	<ul style="list-style-type: none"> <li>-40 to +85°C</li> </ul>

### Telematics card with I/O Expander (CG5106-11983)

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

### Telematics card with CAN I/O Expander (CG5106-11984)

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

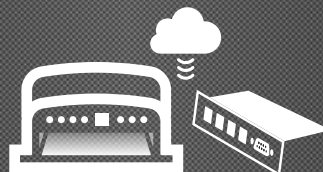
www.option.com



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

