

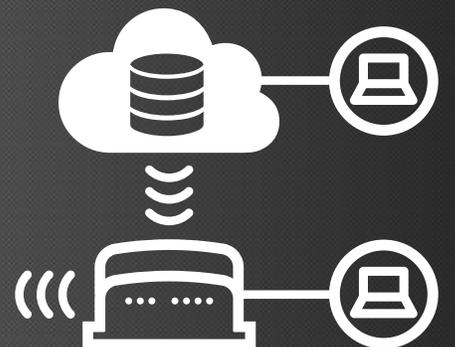
OPTION



# CloudGate



**CONNECTING THINGS**  
to Each Other



## Secure

All of CloudGate's software and configuration images are protected with digital signatures and have dual rollback images that allow the product to revert to previous working settings if an issue is detected.

All management functions are protected by certificate and/or password based security mechanisms and all management actions take place over hardware assisted encrypted links.

## Flexible and cost effective to integrate and deploy

CloudGate provides unique flexibility that allows customers and system integrators to tailor the product to their solution or even site specific requirements.

CloudGate 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.

A range of accessory cards including wireless LAN Access Point and Client, RS-232 and RS-485, and a 4-port Ethernet switch are available from Option. All the design details of the expansion card can be licensed free of charge to partners allowing them to add value with their own hardware products.

CloudGate also allows simple integration and provisioning of customer or system integrator middleware and applications on the device. The automated cloud provisioning system means that each device can be set with its own custom configuration and image.

## Summary

The Option CloudGate M2M Gateway has the basic, simple to use functionality for most applications along with the unique flexibility for meeting specific requirements that makes it the ideal choice for use with custom solutions.

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[www.option.com](http://www.option.com)

Features	Sub Feature	Description
CPU		<ul style="list-style-type: none"> <li>ARM926EJ-S @ 450MHz</li> <li>Memory available for customer applications</li> <li>30 Mb R/O flash for executables</li> <li>30 Mb R/W flash shared with system</li> <li>40 Mb free RAM</li> <li>1 Mb Configuration data</li> <li>Linux 2.6.35 Open WRT Stack</li> </ul>
Ethernet (IEEE 802.3)		<ul style="list-style-type: none"> <li>10/100Mb/s RJ45 Connector</li> </ul>
Expansion Slot 1 & 2		<ul style="list-style-type: none"> <li>Expansion board for IO functions such as serial, USB, GPIO, WiFi</li> </ul>
Power	DC Power in	<ul style="list-style-type: none"> <li>9-33 V DC</li> </ul>
	Connector type	<ul style="list-style-type: none"> <li>Micro-Fit 3.0™, Dual Row, 4 Circuits</li> </ul>
Case	Dimensions (w x d x h)	<ul style="list-style-type: none"> <li>115 mm × 105 mm × 45 mm</li> </ul>
	Weight	<ul style="list-style-type: none"> <li>180 g</li> </ul>
	Mounting	<ul style="list-style-type: none"> <li>6 through holes for M4 bolts - 2 x 2 compatible with VESA Mount MIS-D 75 (Optional standard DIN rail mounting interface)</li> </ul>
Enviromentals	Operating temperature	<ul style="list-style-type: none"> <li>-30°C to 70°C</li> </ul>
	Storage temperature	<ul style="list-style-type: none"> <li>-40°C to +85°C</li> </ul>
	Humidity operational	<ul style="list-style-type: none"> <li>5% - 95% non condensing</li> </ul>
Standards compliance		<ul style="list-style-type: none"> <li>ROHS, Reach</li> <li>FCC/CE</li> </ul>

Industrial Serial Expansion Card



Serial Expansion Card



WiFi Expansion Card



4-Port Ethernet Expansion Card



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