

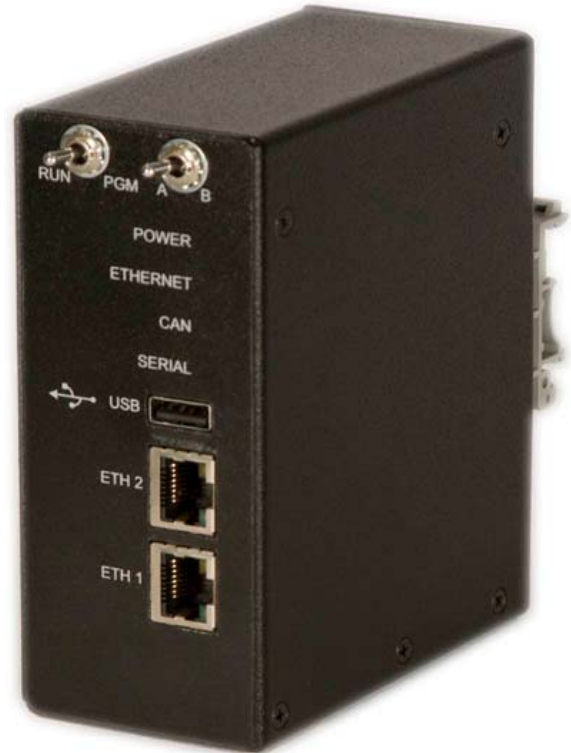
# Ethernet/CAN/Serial Gateway

ECG1000 series

arcx  
INDUSTRIAL

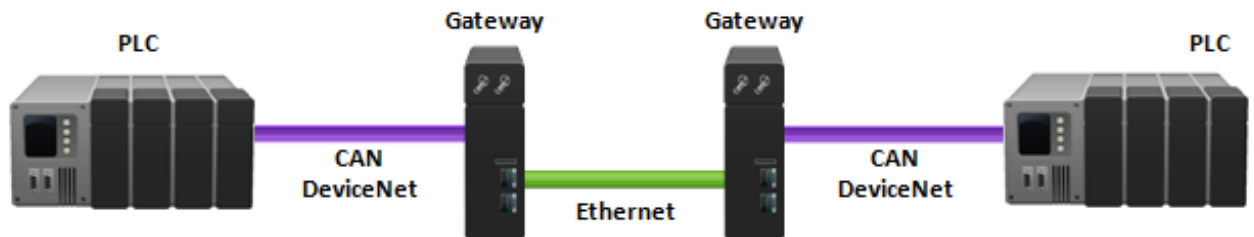
www.arcx.com

- The ECG1000 is an Industrial gateway device offering optically isolated CAN and isolated DC power supply that is ideal for connecting CAN and Serial interfaces to Ethernet networks. The dual 10/100 Mb switched Ethernet ports are provided to support both star and daisy-chained network topologies.
- No additional software is needed. The Device can be configured using standard terminal programs found on typical computer operating systems. Simply connect to either the Serial Port or Ethernet port and set up all the ports in seconds.
- With two devices, one can extend Serial and CAN (ie Devicenet) networks over large distances either through a direct RJ45 connection or through a corporate network.



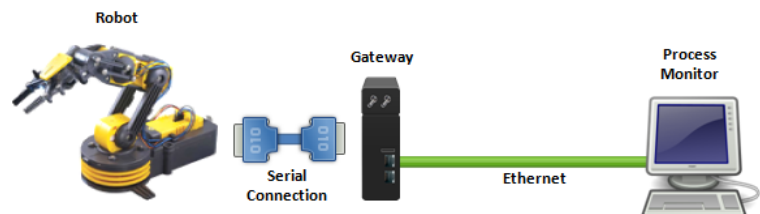
## APPLICATIONS

- DeviceNET extender
- Serial Extender
- Serial Encapsulation over Ethernet
- Connecting Legacy Equipment



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## HIGHLY INTEGRATED

- Has two serial ports, a dual switched Ethernet port and CAN port all in a compact form factor

## FLEXIBLE COMMUNICATION

- Supports concurrent network protocols including Ethernet/IP, DeviceNet, TCP/IP, Profibus and others
- Connect shop floor devices and business IT systems
- Capable of Ethernet encapsulation of CAN or Serial data
- WAT API available to integrate with AXM-UP3K Devices

## POWER SOURCE FLEXIBILITY

- The fully isolated Class II power input reduces ground loop noise and problems arising from connections between disparate systems

## COMPACT ROBUST DESIGN

- Unit Measures 4" x 5" x 2" in a rugged sheet metal enclosure, powder coated black

# Technical Specifications

<b>Model #</b>	AXM-ECG1000-M001
<b>Performance</b>	<b>ARM Cortex M7 @ 300MHz</b>
<b>Memory</b>	<b>2 Mbyte FLASH, 512KB RAM</b>
<b>COMMUNICATION</b>	
RS-232 Ports	<b>2 x 9pin DSUB 115K Baud max</b>
PoE 802.3at	--
Ethernet 1 & 2	<b>10/100 Mbit Switch</b>
CANbus/DeviceNET	<b>5 PIN terminal block</b>
USB 2.0 Host	<b>1</b>
Other	<b>4 Status LEDs, 2 Mode Select Switches</b>
<b>PHYSICAL</b>	
Power	<b>24Vdc (3watts) [1500Vdc Isolation]</b>
Power Terminal	<b>3pin mini change</b>
Weight	<b>2 lbs</b>
Size	<b>4" x 5" x 2"</b>
Temperature	Storage temperature: -40°C to +85°C Operating temperature: -5°C to +45°C Humidity: 40% non-condensing
Vibration	5-17Hz, 0.1" double amplitude displacement 17-640Hz, 1.5G acceleration peak to peak
Shock	10G (11ms) peak-to-peak acceleration
Enclosure	IP41 powder coated 18AWG CRS
<b>NETWORK PROTOCOLS</b>	
	<b>EtherNET/IP Client&amp;Server***, CIP***, WEBSockets, TCP/IP, ProfiNet***, DeviceNet***, CC-Link ProfiBus***, ModBus***, OPC UA Nano profile</b>
<b>WARRANTY</b>	
	<b>1 Year Limited</b>
*** These Certified Protocol Stacks are provided by Real Time Automation	

Top Panel Connections



Side Panel Connections



STD Mounting Bracket

The **AXM-ECG1000-B001 STD Mounting Bracket** option allows device mounting in a variety of different orientations, both vertically or horizontally. This allows the device to be located and oriented in a manner convenient for field installation and service.

For convenient field installation and service, the **AXM-ECG52254-B000 DIN Rail Mounting Clip** allows the module to be located near the industrial control equipment on the DIN rail. The DIN Rail Mounting Clip mounts to the rear of the module. The rugged plastic clips securely mount to all common profiles of 35mm DIN rail (i.e., Top Hat rail) and is compatible with A-series mounting rails.



DIN Rail Mounting Clip

**OEM MODULE**

- Unit available without enclosure for integration directly into legacy equipment.

**FEATURES & BENEFITS**

- Our experienced design team is available for customizing a complete system solution using this device and your existing equipment. From development of an efficient System Architecture to customization and optimization of the unit firmware, we can deliver a reliable, maintainable and cost-effective solution.



**Ordering information**

**DESCRIPTION**

Dual Ethernet CAN/SERIAL Gateway w/ Isolated P/S in Enclosure

**PART**

AXM-ECG1000-0001

**ACCESORIES**

DIN Rail Mounting Clip

AXM-ECG52254-B000

Mounting Bracket

AXM-ECG52254-B001