CONTEMPORARY CONTROLS®

Automation Platform

Contemporary Controls designs and manufactures the system building blocks for networking, integrating and controlling automation processes where performance and reliability are important. With over 40 years of experience in electronics design, development, and manufacturing, we can provide the product you require under your brand.

The Automation Platform is a robust and powerful hardware platform for your automation software solution. With its 1.2GHz CPU and 1GB of RAM, this platform provides more than ample horsepower for the most demanding software applications. Field-proven, hardened circuitry and solid construction make the Automation Platform a rugged and reliable solution for even the most demanding automation systems.

Wi-Fi

4G LTE

enocean®

EIA-485

ASHRAE BACnet™ Modbus

Application Ready!

- Raspberry Pi 3 hardware in hardened enclosure
- Quad Core 1.2GHz Broadcom 64-bit CPU
- 1GB LPDDR2 SDRAM
- 8GB Flash using eMMC memory or uSD card
- Dual Optically-Isolated EIA-485 ports with TX/RX LEDs and user-selectable bias/termination dip switches
- Dual 10/100Mbps individual (non-switched) Ethernet ports

- 24VAC/VDC +/−10% 4-pin power input connection with Earth Ground and Backup
- 0-60°C operation
- DIN rail or Panel Mount rugged metal enclosure options
- FCC and CE compliance with rugged EMC
- Options for: Wi-Fi (802.11a/b/g/n) 2.4GHz/5GHz, LTE/3G Cellular, or EnOcean embedded chips
- Linux Operating System

With a wide array of embedded communications options, the Automation Platform can communicate with almost any standard network device from LTE Cellular, to Ethernet IP, to Wi-Fi or EnOcean devices.
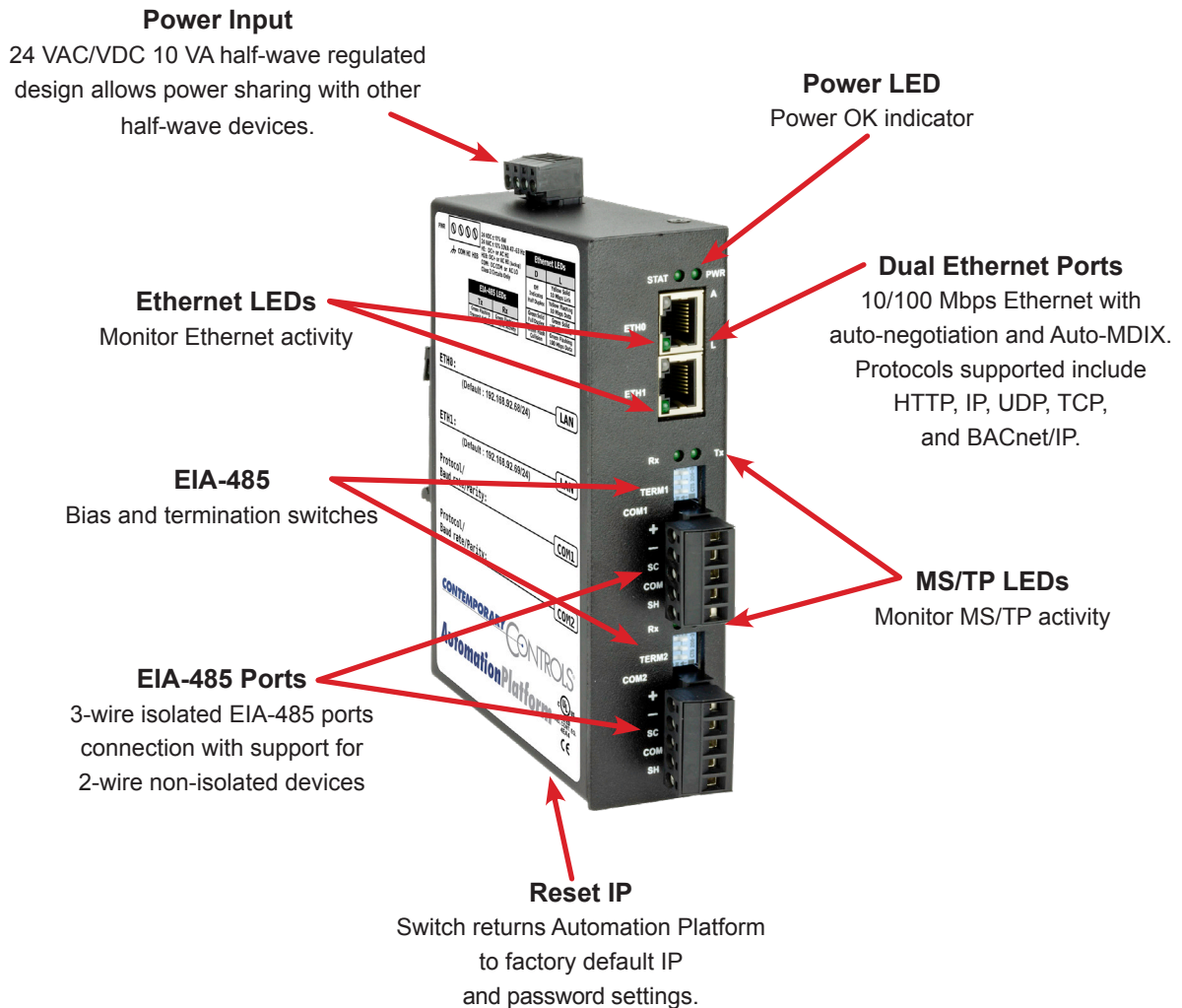
Two individual Ethernet ports (ETH0) and (ETH1), the platform can work on two networks at the same time, such as an IP Network, and a Control Network.

The optically isolated EIA-485 ports have automatic TXEN control which means that the software application will not need to be concerned with controlling TXEN when transmitting messages. User accessible dip switches allow for on-site EIA-485 bias/termination configuration.

A user-accessible reset IP switch at the bottom of the case is installed, which the software can read and used to indicate a condition in which the device should be returned to factory default IP address, user credentials, or other functions.

Power Input
24 VAC/VDC 10 VA half-wave regulated design allows power sharing with other half-wave devices.

Power LED
Power OK indicator

Ethernet LEDs
Monitor Ethernet activity

Dual Ethernet Ports
10/100 Mbps Ethernet with auto-negotiation and Auto-MDIX. Protocols supported include HTTP, IP, UDP, TCP, and BACnet/IP.

EIA-485
Bias and termination switches

MS/TP LEDs
Monitor MS/TP activity

EIA-485 Ports
3-wire isolated EIA-485 ports connection with support for 2-wire non-isolated devices

Reset IP
Switch returns Automation Platform to factory default IP and password settings.

Ordering Information

Model	RoHS	Description	
Automation Platform	✔	1.2GHz Automation Platform	CONTACT US!

Worldwide Locations

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