

Serial Connector

The Serial Connector is a small, flexible device that puts networking and protocol interfacing exactly where you need it. It's as easy as:

- 1) Install the Serial Connector on a 4" square box, on a wall, inside or outside of an existing enclosure.
- 2) Connect to as many as (3) isolated RS-485 serial ports for communicating with whatever you need.
- 3) Bring it all into CBAS over a secure high speed Ethernet network.



Product Highlights

Extensive Protocol Support

Each of the Serial Connector's (3) RS-485 ports can be set up to communicate simultaneously and independently using a wide variety of today's **most popular BAS protocols**. Choose from open standards like BACnet, Modbus and OPTO 22, or connect to any of Computrols' vendor-specific interfaces.

Dedicated CBAS "Smarts"

With a powerful on-board computer, the Serial Connector is a direct digital controller capable of independently controlling all of the hardware, points and equipment downstream. Schedules, PID Loops, CBAS IF/THEN logic and more, are all executed directly from the Serial Connector for **truly reliable Direct Digital Control**.

Network Flexibility and Security

As with other Computrols products, the Serial Connector leverages Internet Protocols for complete flexibility across a variety building networks. A 10/100 Mbps Ethernet port satisfies the need for speed, while TLS 1.3 security **keeps you secure** and IT departments happy.

Mobile App Configuration

A single button press on the Serial Connector reveals all of its options right **on your smartphone**.

Hardware Specifications

Wired Communications	Network: (1) 10/100 Base-T Ethernet Serial: (3) Isolated RS-485 ports
Computer	Processor: 900 MHz ARM Cortex A7 Memory: 8 GB non-volatile, 512 MB RAM
Power Requirements	Terminal: 24VAC (+/- 20%), 50/60 Hz 3VA Quiescent, 8VA full load
Dimensions	4.44 x 4.44 x 2 in
Terminal Blocks	(11) Terminations on 4 Removable Blocks (1) Power and Ground Block (3) RS-485 Serial Comm Block Each supports 12-26 AWG wire.
LED Indicators	<ul style="list-style-type: none"> • Run (Green and Red) • Ethernet Link (Green) • Ethernet Activity (Yellow) • RS-485-1 TX (Green) • RS-485-1 RX (Yellow) • RS-485-2 TX (Green) • RS-485-2 RX (Yellow) • RS-485-3 TX (Green) • RS-485-3 RX (Yellow)
Meter Probe Access to Terminations	<ul style="list-style-type: none"> • GND • 24VAC/DC • Shield • RS-485-1 TX • RS-485-1 RX • RS-485-2 TX • RS-485-2 RX • RS-485-3 TX • RS-485-3 RX

Software Features

Serial Protocol Interfaces	Serial Connectors support a variety of BAS protocol interfaces through the RS-485 serial ports. Communications on the 3 ports are simultaneous and independently configurable. Each can handle continuous and simultaneous serial communication for the following protocols at speeds up to 57600 bps: <ul style="list-style-type: none"> Computrols - BASNet™ BACNet MS/TP™ Modbus™ Opto 22 - Optomux™ Johnson Controls - N2™ Siemens - APOGEE FLN™(P1) Siemens - APOGEE BLN™(P2/ALN) And More...
Full CBAS Programmability	Although the Serial Connector has no points of its own, that doesn't mean it can't control your equipment. The Serial Connector runs its own database which is distributed by Computrols flagship program, Computrols Building Automation Software. Weekly Schedules, PID Loops, If/Then Logic ... it's all there to perform direct digital control on downstream devices.

Related Products

Computrols App	Available for download for iOS and Android devices, the Computrols App is used for field interaction with Serial Connectors. This includes: Configuration, Status Viewing and Programming.
-----------------------	---

Example Mounting Options

Enclosure mounted, routed through conduit via 1/2" knockout



Wall mounted, routed through conduit via 1/2" knockout



Mounted as cover of 4" square box

