

# CEN-IO-COM-202

## Wi-Fi® Network I/O Extender with 2 COM Ports



- Compact, cost-effective wireless network I/O extender
- Communicates to the local network over Wi-Fi® wireless communications
- Up to five wireless access points can be memorized
- Provides two bidirectional RS-232 COM ports with hardware and software handshaking
- Installer setup via Crestron Toolbox™ software or web browser
- Supports TLS 1.2 and Local Authentication security protocols
- Powered via included 5 VDC power pack
- Compact, stackable IFE micro form factor
- Surface or DIN rail mountable
- Available rack mount and pole mount options

The Crestron® CEN-IO-COM-202 is a compact and cost-effective wireless I/O extender designed to easily expand the available RS-232 ports within a commercial or residential system. A small form factor allows the CEN-IO-COM-202 to be placed just about anywhere, with the option to attach it to a flat surface or DIN rail using the included mounting bracket. The two onboard, bidirectional RS-232 COM ports enable direct integration with all kinds of third-party equipment.

The CEN-IO-COM-202 communicates to the local network over Wi-Fi® wireless communications, allowing the connected equipment to be remotely controlled and monitored from a computer or tablet. Power is conveniently supplied to the CEN-IO-COM-202 via an included 5 VDC power pack.

### Security Protocols

The CEN-IO-COM-202 supports the following security protocols to help protect against service interruptions and malicious intrusions:

- TLS 1.2 for control system connections
- Local Authentication for console and control system connections

### Advanced Wi-Fi Wireless Performance

Crestron enhanced Wi-Fi performance is optimized to deliver fast, dependable wireless communications with a 50 ft (15 m) omnidirectional range (conditions permitting). The choice of 802.11 a, b, g, and n protocols affords reliable, high-speed wireless connectivity in most RF environments. Up to five wireless access points can be memorized for easy connectivity within larger networks.

### Integrator Friendly Enclosure

The CEN-IO-COM-202 features the Crestron IFE form factor, a compact Integrator Friendly Enclosure design that fits almost anywhere and enables a variety of installation options. Its shape allows multiple CEN-IO and other IFE compliant devices to be stacked together. Using the included mounting bracket, it can be fastened to a flat surface or snapped onto a standard DIN rail. Rack mount and pole mount kits are also available.<sup>1</sup>

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### Specifications

#### Wireless Communication

<b>Transceiver</b>	IEEE 802.11a/b/g/n Wi-Fi (2.4 or 5 GHz 2-way RF), static IP or dynamic IP via DHCP
<b>Security</b>	64 and 128-bit WEP, WPA and WPA2-PSK with TKIP and AES
<b>Range</b>	Up to 50 ft (15 m), subject to site-specific conditions
<b>Gateway</b>	Requires an 802.11a/b/g/n wireless access point and Ethernet-enabled Crestron control system

#### Wired Communication

<b>RS-232</b>	For 2-way device control and monitoring, supports RS-232 up to 115.2k baud with hardware and software handshaking
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#### Connectors

<b>COM 1-2</b>	(2) 5-pin 3.5 mm detachable terminal blocks; Bidirectional RS-232 port; Up to 115.2k baud, hardware and software handshaking support
<b>USB</b>	(1) Micro-USB Type B console port; For setup via Crestron Toolbox™ software
<b>PWR</b>	(1) 2-pin 3.5 mm detachable terminal block; 5 VDC power input for included power pack
<b>G</b>	(1) 4-40 screw; Chassis ground lug

#### Controls and Indicators

<b>PWR</b>	(1) Bicolor green/amber LED, indicates that power is present, amber indicates that the device is booting and not yet ready to operate, green indicates that device is ready to operate
<b>ONLINE</b>	(1) Green LED, indicates that the device is connected to a Crestron control system via Wi-Fi wireless communications
<b>SETUP</b>	(1) Red LED and (1) recessed push button for web setup, LED indicates that the SETUP push button has been pressed (times out automatically) <sup>2</sup>

#### Power

<b>Power Pack (included)</b>	Input: 100–240 VAC, 50/60 Hz; Output: 1.2 A @ 5 VDC; Model: PW-0510WUL
<b>Power Consumption</b>	0.8 W typical

#### Environmental

<b>Temperature</b>	41 to 104 °F (5 to 40 °C)
<b>Humidity</b>	10% to 90% RH (noncondensing)
<b>Heat Dissipation</b>	2.7 BTU/hr typical

#### Construction

<b>Enclosure</b>	IFE micro form factor, black and blue plastic
<b>Mounting</b>	Freestanding, stackable, surface mount, or 35 mm DIN EN 60715 rail mount; occupies 8 DIN module spaces (144 mm); surface/DIN rail mounting bracket included, optional rack mount and pole kits sold separately <sup>1</sup>

#### Dimensions

<b>Height</b>	1.35 in. (34 mm), 1.77 in. (45 mm) with bracket
<b>Width</b>	5.04 in. (128 mm), 5.36 in. (136 mm) with bracket
<b>Depth</b>	2.86 in. (73 mm), 3.33 in. (85 mm) with bracket

#### Weight

6.4 oz (180 g)

#### Compliance

**Regulatory Model: CEN-IO**  
UL® Listed for US and Canada, CE, IC, FCC Part 15 Class B digital device

#### Models

**CEN-IO-COM-202**  
Wi-Fi® Network I/O Extender with 2 COM Ports

#### Available Accessories

**PLMK-IFE-101**  
IFE Pole Mount Kit

**RMK-IFE-1U**  
IFE Rack Mount Kit

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### Notes:

1. Item(s) sold separately
2. A different IP address may set for the extender using Crestron Toolbox™ software.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/How-To-Buy/Find-a-Representative](http://www.crestron.com/How-To-Buy/Find-a-Representative) or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to [www.crestron.com/warranty](http://www.crestron.com/warranty) for full details.

The specific patents that cover Crestron products are listed online at [patents.crestron.com](http://patents.crestron.com).

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