CEN-IO-IR-204

Wi-Fi® Network I/O Extender with 4 IR 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 four IR/1-way serial ports*
- *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-IR-204 is a compact and cost-effective wireless I/O extender designed to easily expand the available IR/serial ports within a commercial or residential system. A small form factor allows the CEN-IO-IR-204 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 four onboard IR/1-way serial ports enable direct integration with all kinds of third-party equipment.

The CEN-IO-IR-204 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-IR-204 via an included 5 VDC power pack.

Security Protocols

The CEN-IO-IR-204 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-IR-204 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.[1]

Specifications

Wireless Communication

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

Wired Communication

IR/Serial	Supports 1-way device control via infrared up to 1.2 MHz or Serial TTL/RS-232 (0–5 V) up to 115.2k baud

Connectors

IR	(1) 8-pin 3.5 mm detachable terminal block; Comprises (4) IR/serial output ports; IR output up to 1.2 MHz; 1-way serial TTL/RS-232 (0–5 V) up to 115.2k baud
USB	(1) Micro-USB Type B console port; For setup via Crestron Toolbox™ software
PWR	(1) 2-pin 3.5 mm detachable terminal block; 5 VDC power input for included power pack
G	(1) 4-40 screw; Chassis ground lug

Controls and Indicators

PWR	(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
ONLINE	(1) Green LED, indicates that the device is connected to a Crestron control system via Wi-Fi wireless communications
SETUP	(1) Red LED and (1) recessed push button for web setup, LED indicates that the SETUP push button has been pressed (times out automatically)[2]

Power

Power Pack (included)	Input: 100–240 VAC, 50/60 Hz; Output: 1.2 A @ 5 VDC; Model: PW-0510WUL
Power Consumption	1.1 W typical

Environmental

Temperature	41 to 104 °F (5 to 40 °C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	3.6 BTU/hr typical

Construction

Enclosure	IFE micro form factor, black and blue plastic
Mounting	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[1]

Dimensions

Height	1.35 in. (34 mm), 1.77 in. (45 mm) with bracket
Width	5.04 in. (128 mm), 5.36 in. (136 mm) with bracket
Depth	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-IR-204
Wi-Fi® Network I/O Extender with 4 IR Ports

Available Accessories

PLMK-IFE-101
IFE Pole Mount Kit

RMK-IFE-1U
IFE Rack Mount Kit

CRESTRON®

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 or by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

2.85 in.
(73 mm)

5.04 in.
(128 mm)

PWR ONLINE — SETUP —

CRESTRON

CEN-IO-IR-204

1.35 in.
(34 mm)

G

PWR
5 G

USB

IR
1   2   3   4
S G S G S G S G