

GLA-EXPEX

Crestron Green Light® Wireless Expander for infiNET EX® Networks

- > Wireless expander for infiNET EX® devices
- > Extends range up to 150 feet (46 meters) indoors
- > Hard wires to electrical box
- > Operates across 100 to 277 Volts AC
- > Auto-discovery for fast, easy setup
- > Suitable for installation in plenum airspace
- > Deploy up to 5 GLA-EXPEX in a single infiNET EX network
- > Wi-Fi® friendly channel assignment

The GLA-EXPEX is a two-way RF wireless expander designed to extend the range of Crestron lighting control products in an infiNET EX® network. The GLA-EXPEX is optimized for installation in building systems where a hard-wired expander is necessary. Suitable for installation in plenum airspace, the GLA-EXPEX is built with a metal enclosure that mounts directly to two adjacent four-inch square junction boxes. Additionally, the GLA-EXPEX accepts a range of line voltages from 100 to 277 Volts, which makes it easy to install in almost any location. Up to five GLA-EXPEX can be deployed in any infiNET EX network.

infiNET EX

Ultra-reliable infiNET EX wireless technology provides steadfast two-way RF communications throughout a residential or commercial structure without the need for physical control wiring. Employing a 2.4 GHz mesh network topology, each infiNET EX device functions as an expander, passing command signals through to every other infiNET EX device within range (approximately 150 feet or 46 meters indoors), ensuring that every command reaches its intended destination without disruption^[1].

The GLA-EXPEX communicates with a Crestron control system via an infiNET EX Wireless Gateway (model [CEN-RFGW-EX](#), [DIN-AP3MEX](#), or [MCS3](#)^[2]). Up to 100 infiNET EX devices may coexist on a single wireless network, and every device that is added to the network effectively increases the range and stability of the entire network by providing multiple redundant signal paths^[1].

SPECIFICATIONS

Wireless

RF Transceiver: infiNET EX® 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4 compliant

Range (typical): 150 ft (46 m) indoor, 250 ft (76 m) outdoor to nearest mesh network device(s); subject to site-specific conditions and individual device capabilities^[1]

Gateway: Requires an infiNET EX gateway^[2]

Controls & Indicators

POWER: (1) Green LED; indicates line voltage supplied to unit

SETUP: (1) Recessed pushbutton with red LED, used to link to a gateway



Connections

Line In (100-277 VAC): (1) 14 AWG Class 1 flying lead, black

Neutral: (1) 14 AWG Class 1 flying lead, white

Ground: (1) 14 AWG Class 1 flying lead, green w/yellow stripe

Antenna: (1) connection for supplied antenna

Power Requirements

100-277 Volts AC, 50/60 Hz

Enclosure

20-gauge galvanized steel enclosure; designed for mounting to two (2) adjacent standard 4" square electrical junction boxes

Environmental

Temperature: 32° to 104°F (0° to 40°C)

Humidity: 10% to 90% RH (non-condensing)

Dimensions

Height: 4.25 in (108 mm)

Width: 8.69 in (221 mm); 9.82 in (250 mm) with antenna at 90° angle

Depth: 2 in (51 mm)

Weight

2 lb (907 g)

MODELS

Available Models

GLA-EXPEX: Crestron Green Light® Wireless Expander for infiNET EX® Networks

Notes:

1. Any infiNET EX device that provides expander functionality will effectively extend the range of the wireless network beyond the initial range of the gateway. Battery-powered infiNET EX devices do not provide expander functionality.
2. Item(s) sold separately.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/salesreps or by calling 800-237-2041.

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

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CAD DRAWINGS

