

C2N-MNETGW

infiNET™ Wireless Gateway

- > infiNET™ wireless gateway
- > Dependable mesh network technology
- > Dynamic discovery for fast, easy setup
- > "Wi-Fi friendly" channel selection for trouble-free operation
- > Up to 150 feet (46 m) range indoors, 250 feet (76 m) outdoors^[1]
- > Supports up to 30 infiNET devices
- > Cresnet® control system interface

The C2N-MNETGW is a 2-way RF gateway/transceiver designed to enable communications and management for a complete infiNET™ wireless network of dimmers, keypads, and other devices. The C2N-MNETGW links the infiNET network to a Crestron® control system via Cresnet®.

infiNET™

Crestron infiNET wireless technology provides reliable 2-way communications throughout a residential or commercial structure without the need for physical control wiring. Employing a 2.4 GHz mesh network topology, each infiNET device on the network functions as an expander, passing command signals through to every other device within range (approximately 150 feet or 46 meters indoors), ensuring that every command reaches its intended destination without disruption. Each infiNET device that is added to the network effectively increases the range and stability of the entire network by providing multiple redundant signal paths.^[1]

Easy Setup

Setting up a complete infiNET network is simple, utilizing dynamic discovery to locate and acquire each RF device automatically. At all times, the C2N-MNETGW monitors each device on the network, ignoring any other 2.4 GHz signals, and reconfiguring the entire network automatically in response to new sources of interference and other changes in RF conditions.

Up to 30 infiNET dimmers, switches, keypads, and other devices can be linked to a control system via a single C2N-MNETGW gateway. Additional gateways may be installed to support more devices, with up to 16 gateways possible in a complete system (RF conditions allowing). Wireless expanders (model [C2N-MNETRPT^{\[2\]}](#)) may be added wherever needed to extend the network by filling in gaps between devices.

SPECIFICATIONS

Wireless

RF Transceiver: infiNET™ 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), IEEE 802.15.4 compliant

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

Maximum 30 devices per gateway



Controls & Indicators

PWR: (1) green LED, indicates operating power supplied from Cresnet network

NET: (1) amber LED, indicates communication with the Cresnet system

RXD: (1) red LED, indicates data is being received from wireless network devices

TXD: (1) red LED indicates data is being transmitted to wireless network devices

ACQUIRE: (1) Recessed pushbutton with red LED, used to set up connections with wireless devices

SETUP: (1) Recessed pushbutton with red LED, used to set up connection with the control system

Connectors

NET: (1) 3.5mm detachable terminal block; Cresnet slave port, connects to Cresnet control network

Power Requirements

Cresnet Power Usage: 3 Watts (0.125 Amps @ 24 Volts DC)

Enclosure

Metal with black finish, freestanding or surface mount

Environmental

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

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

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Dimensions

(Without antenna)

Height: 1.24 in (32 mm)

Width: 2.47 in (63 mm)

Depth: 3.88 in (99 mm)

Weight

8.3 oz (240 g)

MODELS & ACCESSORIES

Available Models

C2N-MNETGW: infiNET™ Wireless Gateway

Available Accessories

C2N-MNETRPT: infiNET™ Wireless Expander

C2NI-MNETRPT: infiNET™ Wireless Expander - International Version, 230V

CRESNET-HP-NP: Cresnet® “High-Power” Control Cable, non-plenum

CRESNET-NP: Cresnet® Control Cable, non-plenum

CRESNET-P: Cresnet® Control Cable, plenum

Notes:

1. Battery-powered infiNET devices do not provide expander functionality, and may have reduced RF range capabilities. Consult the specifications for each network device to confirm its actual wireless capabilities.
2. Item 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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