

Crestron C2N-MNETGW

infiNET

infiNET™ Gateway

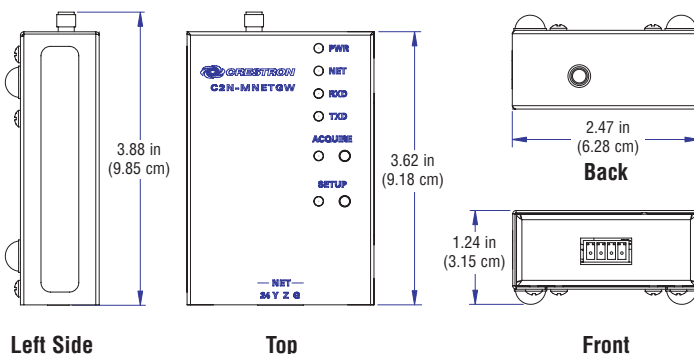
- > 2-way RF wireless transceiver/gateway
- > infiNET™ mesh network technology
- > Dynamic discovery for fast, easy setup
- > "Wi-Fi friendly" channel selection for trouble-free operation
- > Up to 150 foot range indoors, 250 feet outdoors
- > Supports up to 30 infiNET devices

The C2N-MNETGW is a 2-way RF gateway/transceiver designed to enable communications and management for a complete infiNET wireless network of dimmers, thermostats, and other devices. The C2N-MNETGW links the infiNET network to the Cresnet wired network to enable communications with a 2-Series control system.

infiNET™—Crestron's groundbreaking infiNET wireless technology provides reliable 2-way communications throughout a home or office structure without the need for physical control wiring. Employing a 2.4 GHz mesh network topology, every infiNET device functions as an RF repeater, increasing effective range and reinforcing the complete network by providing multiple redundant signal paths within the mesh network. Adding more infiNET devices or repeaters to the network effectively increases the range, strength, and reliability of the network.

Up to 30 infiNET dimmers, switches, and other devices can be linked to a control system via a single C2N-MNETGW gateway. Additional gateways may be installed to support additional devices, with up to 16 gateways possible in a complete system (RF conditions allowing).

Easy Setup—Setting up a complete infiNET network is simple, utilizing dynamic discovery to locate and acquire each RF device automatically. Every device assigned to a common gateway automatically behaves as a repeater for any other devices within range (approximately 150 feet indoors), and additional repeaters may be added if necessary. 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.



SPECIFICATIONS

Wireless

RF Transceiver: 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

RF Transmitting Power: 10 mW

Range (typical): 150 feet indoor, 250 feet outdoor, subject to site-specific conditions; range is increased by adding additional devices or C2N-MNETRPT repeater

Controls

ACQUIRE: (1) Recessed pushbutton with red LED, used to configure the wireless network

SETUP: (1) Recessed pushbutton with red LED, used for touch-settable ID (TSID)

LED Indicators

PWR: (green) Indicates DC power supplied from Cresnet network

NET: (yellow) Indicates communication with the Cresnet system

RXD: (red) Indicates data is being received from wireless network devices

TXD: (red) Indicates data is being transmitted to wireless network devices

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

Black metal, freestanding or surface mount

Environmental

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

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

Dimensions (Without antenna)

Height: 1.24 in (3.15 cm)

Width: 2.47 in (6.28 cm)

Depth: 3.88 in (9.85 cm)

Weight

8.3 oz (0.24 kg)

AVAILABLE ACCESSORIES

C2N-MNETRPT infiNET Repeater