



Description

The Crestron® CEN-C-TX-F and CEN-C-RX-F deliver straightforward, cost-effective Ethernet signal extension for home and commercial applications. Without any special setup or configuration, the CEN-C-TX-F and CEN-C-RX-F afford long-distance, high-speed communications over a single fiber strand for control systems and other networks.

Additional Resources

Visit the product page on the Crestron website (www.crestron.com) for additional information and the latest firmware updates. Use a QR reader application on your mobile device to scan the QR image.



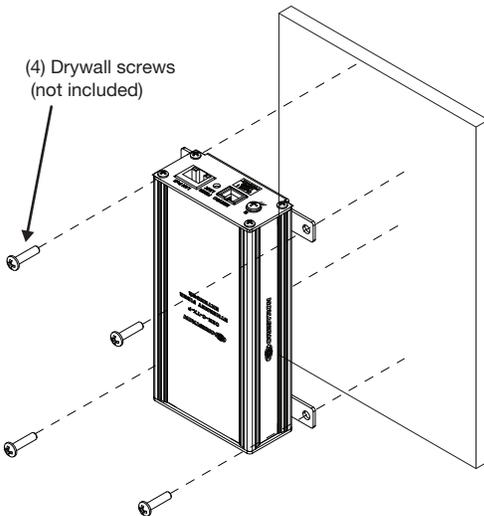
Installation

Mount the CEN-C-TX-F/CEN-C-RX-F onto a flat surface or onto a rack rail.

Mounting onto a Flat Surface

Using four drywall screws (not included), mount the device onto a flat surface such as a wall or a ceiling. Mounting of the device on a wall is shown below.

Mounting onto a Flat Surface



Rack Mounting

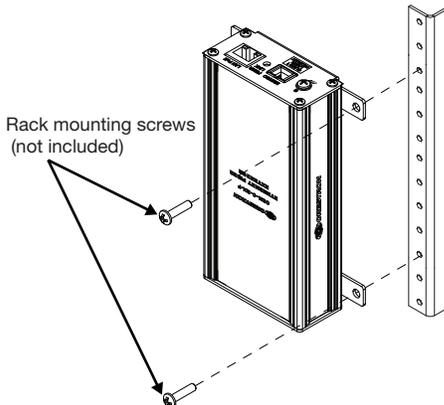
The CEN-C-TX-F/CEN-C-RX-F mounts onto the front or rear rail of a rack.

To mount the CEN-C-TX-F/CEN-C-RX-F to a rack:

1. Position either the left or right mounting flange of the device so that its holes align with the holes in the rack.
2. Secure the device to the rack using two rack mounting screws (not included).

Mounting of the right flange of the device is shown below.

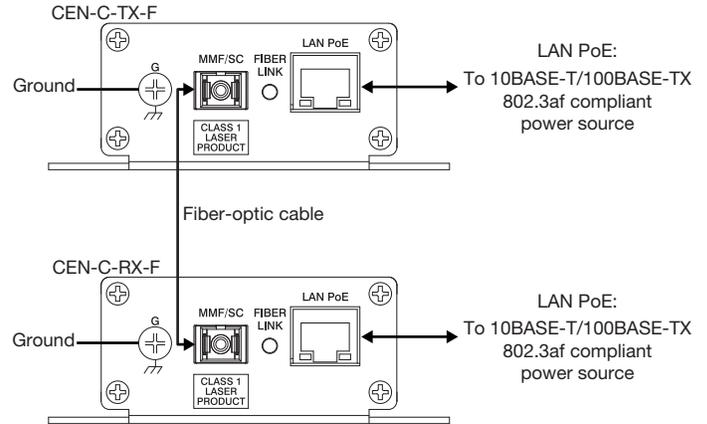
Mounting onto a Rack Rail



Connections

Connect the CEN-C-TX-F and CEN-C-RX-F as shown below.

Connecting the CEN-C-TX-F to the CEN-C-RX-F



The following sections provide information about each of the connections that can be made to the CEN-C-TX-F and CEN-C-RX-F.

Connecting the Ground

Connect the chassis ground lug to earth ground (building steel).

Connecting the LAN PoE Port

Depending on the equipment purchased, connect the LAN PoE port to a Crestron PoE injector, a Crestron PoE switch, or a third-party 802.3af compliant power source:

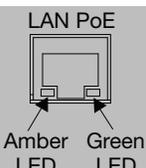
- For information about the Crestron PoE injector, refer to the PWE-4803RU PoE Injector Installation Guide (Doc. 6712), which is available from the Crestron website (www.crestron.com/manuals).
- For information about Crestron PoE switches, refer to the CEN-SW-POE-5 Switch DO Guide (Doc. 7736), the CEN-SWPOE-16 Switch DO Guide (Doc. 7941A), or the CEN-SWPOE-16 Switch Supplemental Guide (Doc. 7408) as applicable.
- For information about a third-party 802.3af power source, refer to the documentation supplied with the device.

Connecting the MMF/SC Fiber Port

Using a multimode fiber optic cable with SC connectors (such as the Crestron CresFiber® 8G cable), connect one end of the cable to the MMF/SC connector on the CEN-C-TX-F and the other end of the cable to the MMF/SC connector on the CEN-C-RX-F.

LED Indicators

The following table describes the CEN-C-TX-F/CEN-C-RX-F indicators.

| INDICATORS | DESCRIPTION |
|--|--|
| FIBER LINK LED | Green indicates that a fiber optic link is established. |
|  LAN PoE Amber LED Green LED | Green indicates that an Ethernet link is established. Amber indicates Ethernet activity. |

As of the date of manufacture, the device has been tested and found to comply with specifications for CE marking.



Federal Communications Commission (FCC) Compliance Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Industry Canada (IC) Compliance Statement

CAN ICES-3(B)/NMB-3(B)

The CEN-C-TX-F and CEN-C-RX-F are Class 1 laser products that comply with safety regulations of IEC-60825-1 and with FDA 21 CFR 1040.10 and FDA 21 CFR 1040.11.

WARNING: Visible and invisible laser radiation when open. Avoid direct exposure to beam.



NOTE: Plug the included dust cap into the optical transceivers when the fiber-optic cable is unplugged.

The product warranty can be found at www.crestron.com/warranty.

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

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

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This document was written by the Technical Publications department at Crestron.

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Installation Guide - DOC. 7913A
(2048046)
02.17

Specifications subject to
change without notice.