DM-NVX-DIR-ENT
DM NVX Director™ Virtual Switching Appliance

The Crestron® DM-NVX-DIR-ENT is a DM NVX Director™ virtual switching appliance that provides the ability to configure, control, and manage large networks of DM NVX™ encoder and decoder endpoints. The DM-NVX-DIR-ENT supports a maximum of 1,000 DM NVX endpoints and 240 domains.

›› Check the Box

Item	Qty
DM-NVX-DIR-ENT	1
Power Cord (P/N 2050001)	2
Rack Rail, Outer (P/N 2050009)	2

›› Install the Device

The DM-NVX-DIR-ENT is designed to be mounted into a rack. The device is shipped from the factory with inner rack rails attached. The two included outer rack rails must be attached to a rack before the device is mounted into the rack. For installation instructions, refer to the "Installing the Outer Rack Rails" and "Mounting the Device into a Rack" sections that follow.

Installing the Outer Rack Rails

The two included outer rack rails can attach to racks with square or round rack holes. Each outer rack rail consists of a long bracket and a short bracket.
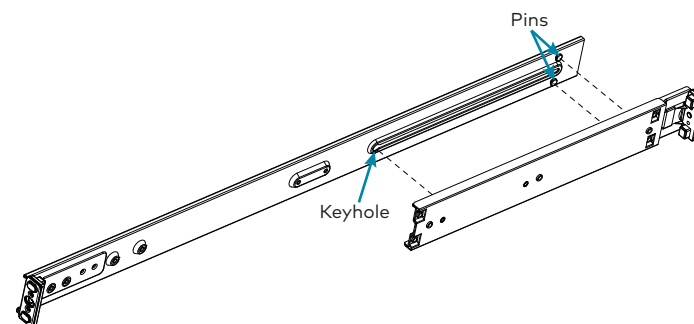

Long bracket
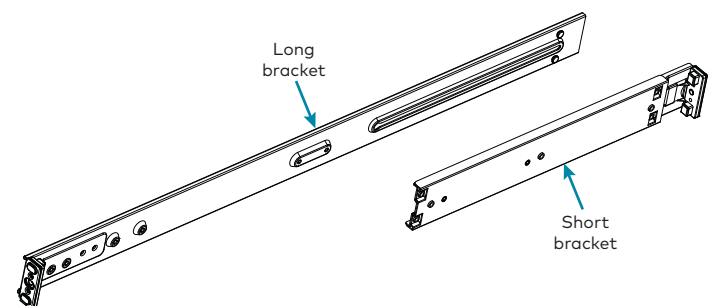
Short bracket

To install an outer rack rail:

1. (For attachment to a rack with round rack holes only) Detach the square hole mounting plates from the short and long brackets by removing the two Phillips screws from the end of each bracket. (The square hole mounting plates are designed for attachment to racks with square rack holes).


Phillips screws

Square hole mounting plate

Phillips screws

Square hole mounting plate
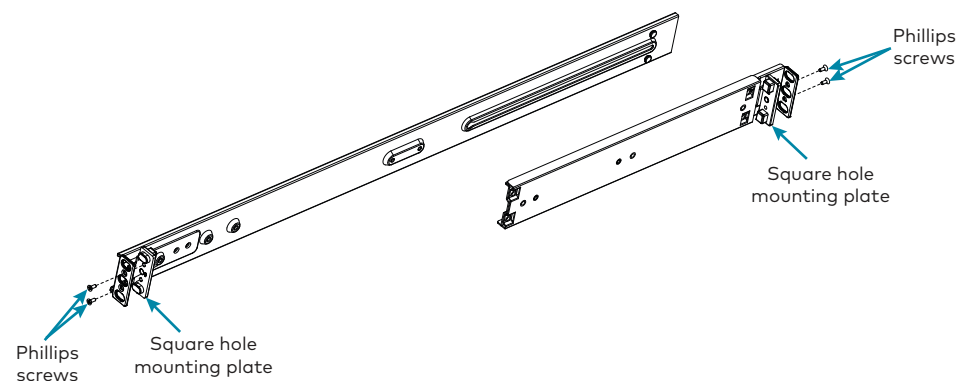
2. Attach the short bracket to the outside of the long bracket by inserting the pin (not shown) on the short bracket into the keyhole of the slot on the long bracket. The two pins on the long bracket are then positioned into the corresponding keyholes (not shown) of the short bracket.


Pins

Keyhole

3. Position the long bracket toward the front of the rack and the short bracket toward the rear of the rack, and then adjust the rail by sliding the brackets to fit the depth of the rack.
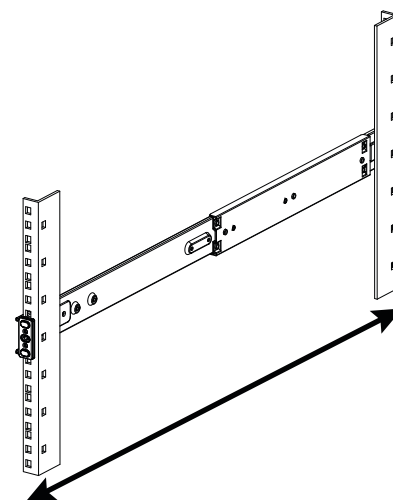
4. Do either of the following:
   - If the rack has square rack holes, align the square hole mounting plates with the holes in the rack and then push the plates inward so that they snap into place.
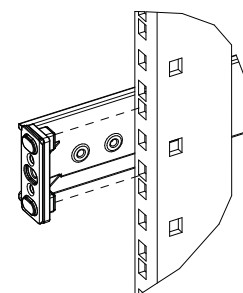
   - If the rack has round rack holes, align the rack mounting holes in the rail with the holes in the rack and then attach the rail with four rack mounting screws (two screws for each end of the rail, not included). Round unthreaded holes can be converted to threaded holes with the use of cage or clip nuts (not included).
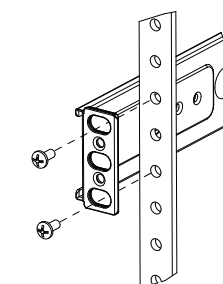

5. Repeat steps 1-4 to attach the remaining rail to the other side of the rack.

### Mounting the Device into a Rack

WARNING: Do not lift the device using the front handles. The handles are designed for use when pulling the device from a rack.

The DM-NVX-DIR-ENT occupies 1 RU of rack space. To mount the device into a rack:

1. Observe the inner rack rails on the left and right sides of the device.

Locking tab
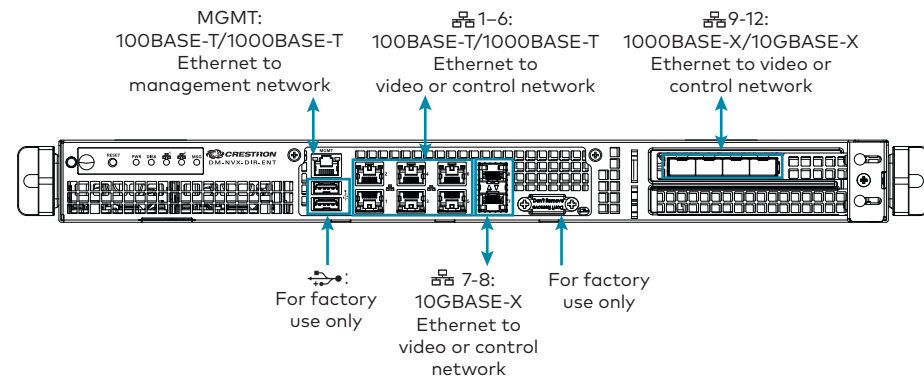
Inner rack rail (installed at factory)
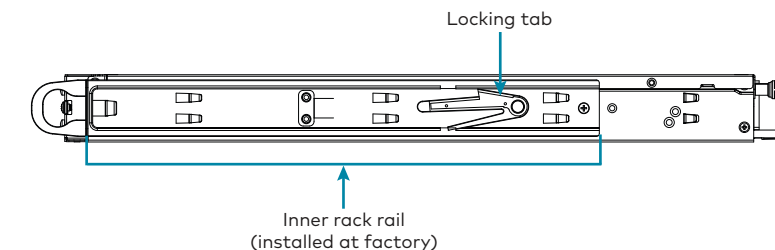
2. Align the inner rack rails with the front of the outer rack rails.

3. Slide the device into the rack rails—if necessary, press down on the locking tabs of the inner rack rails to insert the device. When the device is fully inserted into the rack, the locking tabs lock the device in place in the rack. The locking tabs also prevent the device from coming completely out of the rack if the device is pulled from the rack.
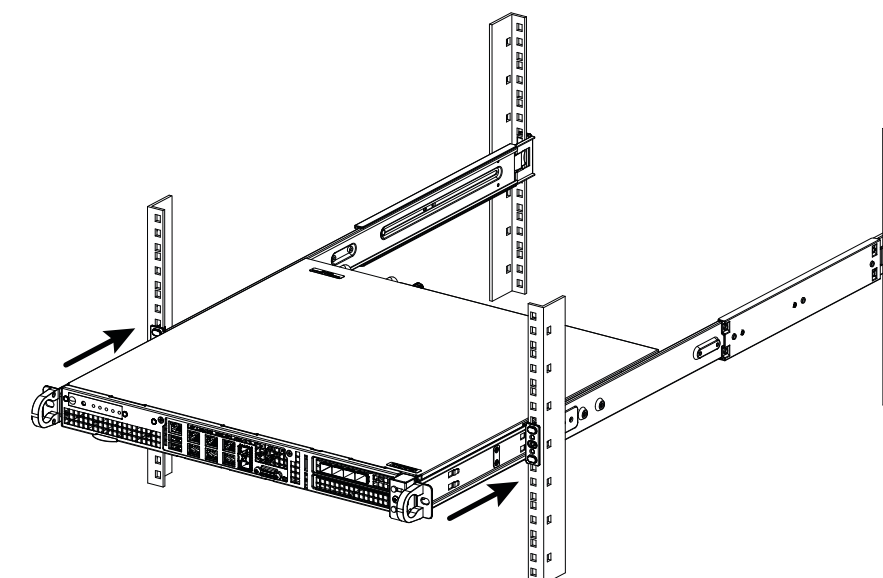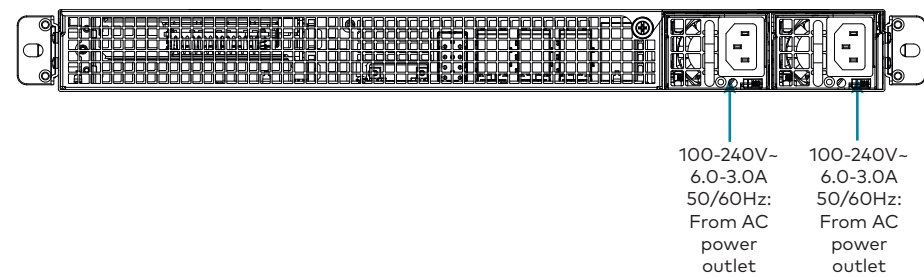
›› Connect the Device

Connect the front panel of the device as required for the application.

MGMT:
100BASE-T/1000BASE-T
Ethernet to
management network

1–6:
100BASE-T/1000BASE-T
Ethernet to
video or control network

9-12:
1000BASE-X/10GBASE-X
Ethernet to video or
control network

: For factory
use only

7-8:
10GBASE-X
Ethernet to
video or control
network

For factory
use only

NOTES:

- The MGMT port is used for management and monitoring of the DM-NVX-DIR-ENT hardware. The port does not provide access to the DM-NVX-DIR-ENT software and is independent of the RJ-45 Ethernet ports labeled 1-6 and the SFP Ethernet ports labeled 7-12.
- RJ-45 Ethernet ports 1-6 and SFP Ethernet ports 7-12 provide access to the DM-NVX-DIR-ENT software and allow configuration of the software. The 12 ports are independent of each other and have different network settings.
- SFP Ethernet ports 7 and 8 are compatible with Crestron SFP-10G transceiver modules. SFP Ethernet ports 9-12 are compatible with Crestron SFP-1G and SFP-10G transceiver modules.

Connect power to the rear panel of the device as shown below.

100-240V~
6.0-3.0A
50/60Hz:
From AC
power
outlet

100-240V~
6.0-3.0A
50/60Hz:
From AC
power
outlet

›› Configure the Device

Using the web interface, configure the DM-NVX-DIR-ENT software. To access the web interface, open a web browser and then go to the IP address of one of the connected RJ-45 Ethernet ports (1-6) or SFP Ethernet ports (7-12).

NOTES:

- By default, DHCP is enabled for RJ-45 Ethernet ports 1-5 and SFP Ethernet ports 7-12, allowing each of those ports to be assigned a different IP address automatically. The IP address for RJ-45 Ethernet port 6 defaults to a link-local address in the 169.254.*xxx.xxx* range (refer to RFC 3927 for information about link-local addressing). To find the IP address of any of the connected Ethernet ports (1-12), use the Device Discovery Tool in the Crestron Toolbox™ software.
- The port that is used to configure the DM-NVX-DIR-ENT software must be accessible from the network of the device running the web browser, the network of the associated DM NVX devices, and the network of the control system (if present).

To log in to the web interface, enter the user name and password. The default user name and password are both *admin*. For additional information about the web interface, refer to the online help of the web interface and to the DM NVX Director Virtual Switching Appliance Product Manual (Doc. 8241).

›› Additional Information

Scan or click the QR code for detailed product information.

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