



Introduction

Crestron® SFP-1G series SFP Transceiver Modules are designed for use with DigitalMedia™ NVX series network AV encoder/decoder boxes and cards. A selection of modules is offered to accommodate various multimode and single-mode fiber types.

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

An SFP (small form-factor pluggable) transceiver module plugs into the SFP cage of a DM-NVX device.

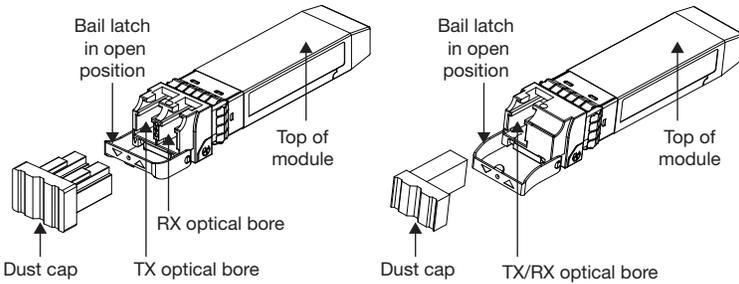
CAUTION: Observe electrostatic discharge (ESD) precautions when handling SFP transceiver modules. Always wear a wrist strap that connects to an approved grounding source when installing or coming into contact with the modules.

CAUTION: To prevent damage to an SFP module and to any connected cables, disconnect all cables before installing or removing a module.

NOTE: An SFP module is a hot-swappable input/output (I/O) device; therefore, there is no need to power down a DM-NVX device when installing or removing a module.

SFP Module with Dual Optical Bores

SFP Module with Single Optical Bore



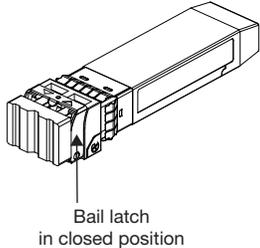
NOTE: Dust cap appearance may vary from that shown in the illustrations.

To install an optical SFP module into an SFP cage, perform the following procedure.

NOTE: Do not remove the dust cap from the optical SFP module until directed to do so in the following procedure. In addition, always keep the dust caps on the fiber-optic cable connectors until ready to make a connection.

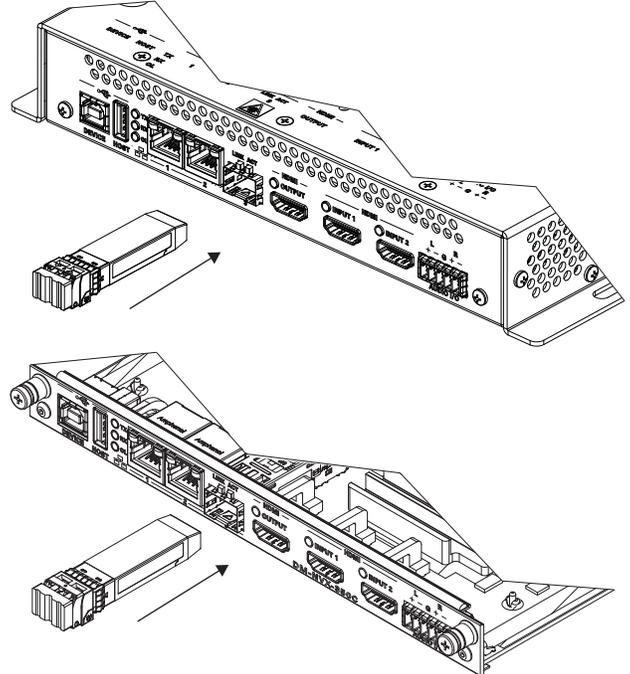
1. Verify that the bail latch is closed.

Bail Latch in Closed Position



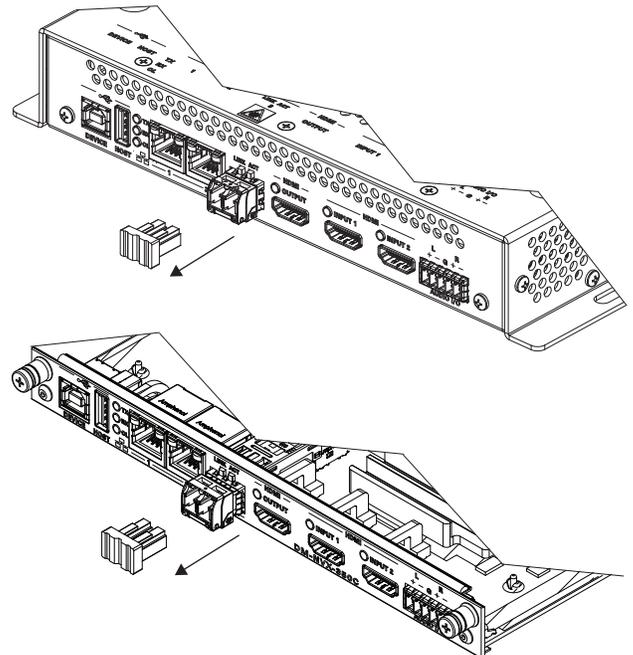
2. Insert the module into the SFP cage.
 - a. Verify that the top of the module is visible.
 - b. Remove the SFP cage dust cover from the SFP cage on the box or card.
 - c. With the dust cap facing away from the device, insert the module into the SFP cage until the module latches into place.

SFP Module Inserted into Box (Top) or into Card (Bottom)



3. Remove the dust caps from the LC connectors on one end of the fiber-optic cable. Save the dust caps for future use.
4. Inspect and clean the fiber-optic end faces of the LC connectors.
5. Remove the dust cap from the SFP module. Save the dust cap for future use.

Dust Cap Removed from SFP Module Installed in Box (Top) or Card (Bottom)



NOTE: Dust cap appearance may vary from that shown in the illustrations.

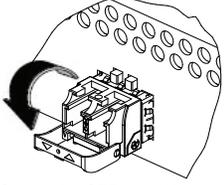
6. Connect the single LC connector of the fiber-optic cable to the appropriate SFP module.

Removal

To remove an optical SFP module from an SFP cage, perform the following procedure.

1. Disconnect the LC cable connector from the SFP module.
2. Reinstall the dust cap onto each LC cable connector.
3. Remove the SFP module from the SFP cage.

a. Open the bail latch by pulling it outward and downward.
Installed SFP Module with Open Ball Latch



- b. Grasp the SFP module, and then carefully remove the module from the SFP cage.
4. Close the bail latch.
 5. Reinstall the dust cap into the optical bores of the SFP module.
 6. Reinstall the SFP cage dust cover into the SFP cage on the box or card.

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(E)

The product is a class 1 laser product. It complies with safety regulations of IEC- 60825-1, FDA 21 CFR 1040.11 and FDA 21 CFR 1040.10.

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

NOTE: Plug the included dust cap into the optical transceiver 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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Specifications subject to
change without notice.