7812 Fabric Module Installation Process

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Purpose

The purpose of this document is to illustrate the proper process to install the DCS-7812R3-FM Fabric Module (FM) into the DCS-7812 chassis to avoid damage to the high speed signal connectors and other parts of the product.

Additionally, the 4 step process in the [Fabric Module Installation Guide](#) must be followed to use the FM ejectors.

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Step 1 - inspections

After unpacking the 7812R3-FM, place it on an ESD-safe flat surface. If a cart is used, be sure the wheels are locked. Inspect the high speed connectors and the Out of Band (OOB) connector for damage. Inspect other areas of the FM for damage. Inspect the DCS-7812 chassis; use a flashlight if necessary.

Lock the cart wheels

OOB connector

12 High Speed connectors

Inspect the 7812 chassis

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Step 2 - stand up the FM

Lift the FM up by grabbing the opening as shown. Then another hand can get under the FM to assist standing it up vertically. DO NOT grab any parts of the High Speed Signal connectors.
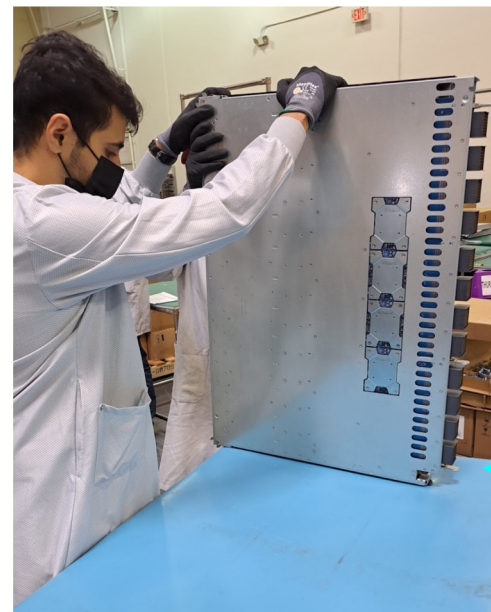
When the FM is in the vertical orientation, be sure the power connector is at the bottom and OOB connector is at the top.
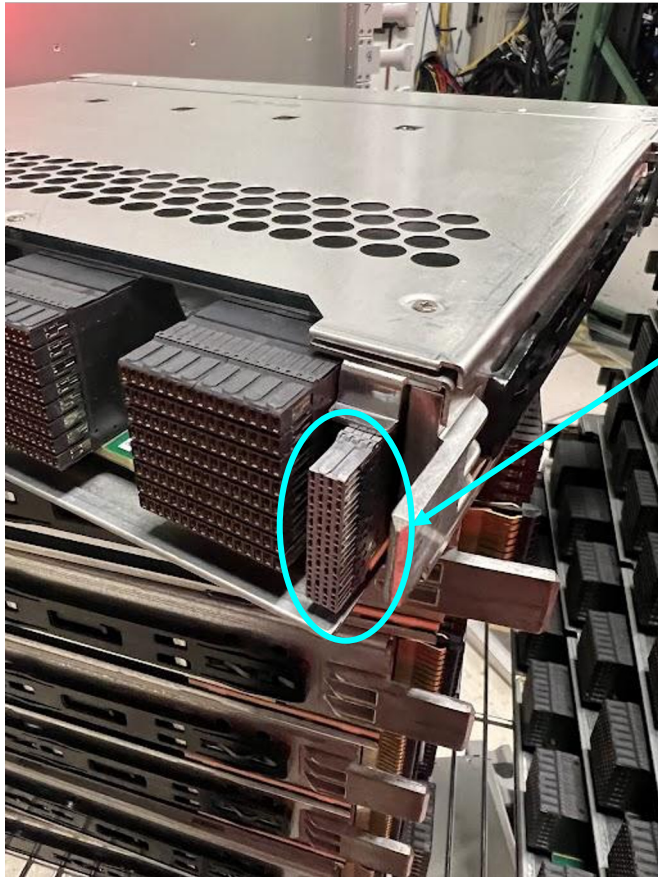

Grab here

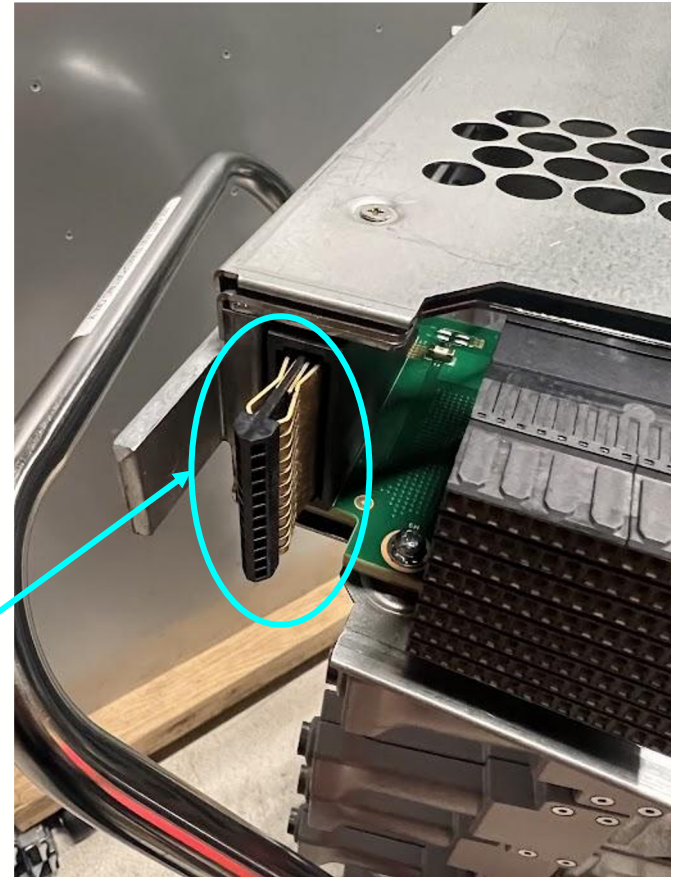**DO NOT** grab the connector area

OOB connector

PWR connector

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Connector Identification

Out Of Band connector

PWR connector

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Step 3 - lift up the FM for installation

Slide the FM to the edge of the surface. Two people are needed to lift the FM. Each person will need one hand under the FM to support the weight. The other hands will be either at the front panel or the module top for support.

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Step 4 - insert into DCS-7812 chassis

While keeping an eye on the FM connectors and the chassis edges at the top and bottom to make sure they don't collide, slowly position the bottom of the FM on the chassis surface as shown. Then slightly rotate the FM until it's horizontal, then push it in.
Note: If any fan latches have become undone, relatch them before fully inserting the FM.

Push down any fan latch that has come undone

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Step 5 - fully insert the FM and apply the ejectors

With the ejector closed, push the FM into the chassis until it stops on the ejector teeth (Fig 1). Swing out the ejectors (Fig 2). Push in the FM until it stops again on the ejector teeth (Fig 3). Rotate the ejectors until they latch into place (Fig 4). For more details of this process, refer to the Fabric Module Installation Guide.
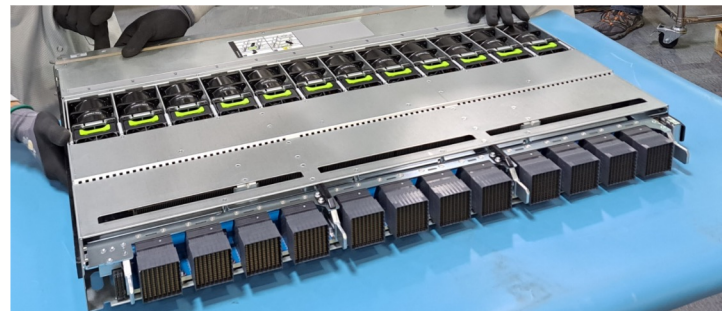

Fig 1

Fig 2

Fig 3

Fig 4

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Step 6 - FM removal

To remove the FM from the chassis, press the buttons on the ejectors to start the removal process. Slowly slide the FM out until the fans are exposed. Close the ejectors. Two people will be needed for the following. Each person will need one hand under the FM to support the weight. The other hands will be either at the front panel or the module top for support. Once the module is out of the chassis, place it on a ESD-safe surface. Make sure the connectors are not overhanging the edge where they can be damaged.

Don't let the connectors hang over the edge of the cart or table.

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Thank You

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