



# **19" 1RU Power Supply Frame For Optical Modules**



**User Manual**

**BR-400**

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## Welcome!

Congratulations on your purchase of the **19" 1RU Power Supply Frame for Optical Module, BR-400**. This manual contains information that will assist you in installing and operating the product.

## Product Description

The 19" 1RU multi-mounting rack, BR-400 is a modular rack and systematic fiber-optic solution providing flexibility to install Opticis Optical extension modules up to 8 units.

Each power line of mounting unit is connected to the central bus power of +12VDC at 4.2A. BR-400 can be fit with the dual power supplies for load-sharing and redundant backup.

BR-400 adopts two(2) LEDs in the front panel for power supply failure to run the stable system without any disruption or disconnection from the power failure.

**\* Note: The optical modules and power supplies are separately sold.**

**\* Power Supply options**

- 1) **BR-400-IT (BI060S12F02\_Lev:6):** Power Supply for BR-400 (100-240VAC, 50-60Hz)
- 2) **BR-400-MD (BM060S12F02\_Lev:6):** Medical Certified Power Supply for BR-400 (100-240VAC, 50-60Hz)

**\* DPFX-1F14, HDFX/DPFX-700 optical modules are required the separate screws for installation.**



## Shipping group

- **BR-400:** One (1) unit
- **Module bracket:** Eight (8) units
- **Heat Sink:** Sixteen (16) units
- **Screw:** Sixteen (16) units
- **Power cable for optical module:** Eight (8) units
- **User manual:** One (1) unit

# Installation

## DVI Module

(DVFX-100-TR, DVFX-110-TR, DDFX-100-TR, M1-201SA-TR, M1-201DA-TR)

### Step 1

Remove the 'CLASS 1 LASER PRODUCT' label which covers screw hole in **part A** and remove the screw, either.

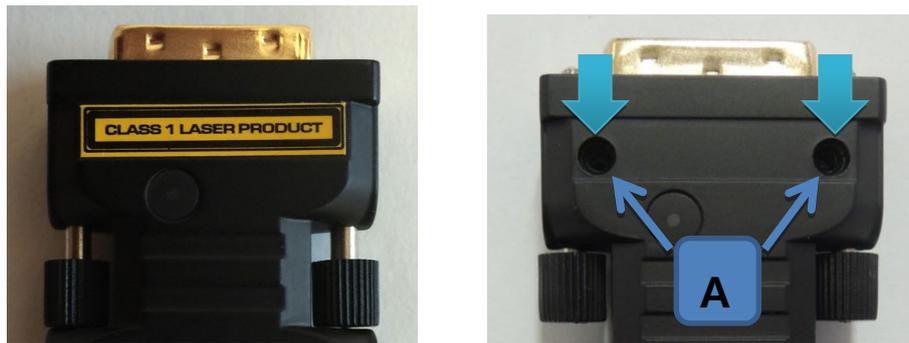


Fig. 1: Remove 'CLASS 1 LASER PRODUCT' label and screws

### Step 2

Install optical module on the Module bracket with by provided screws according to **Fig.2** for each module.

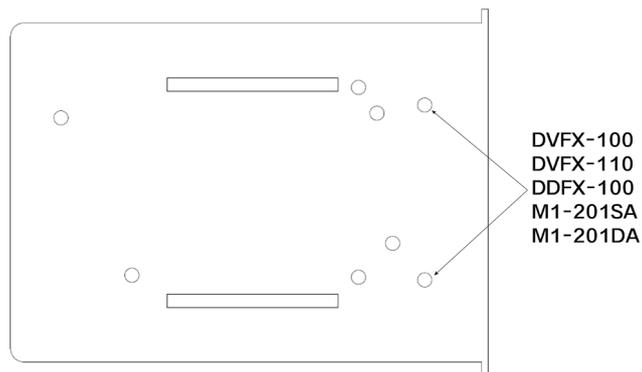


Fig. 2: Holes on Module bracket for each Opticis optical module



Fig. 3: Mounting screws into bracket holes (M1-201SA-TR)

**Step 3**

Stick the two(2) Heat sinks on the bottom of Module bracket.

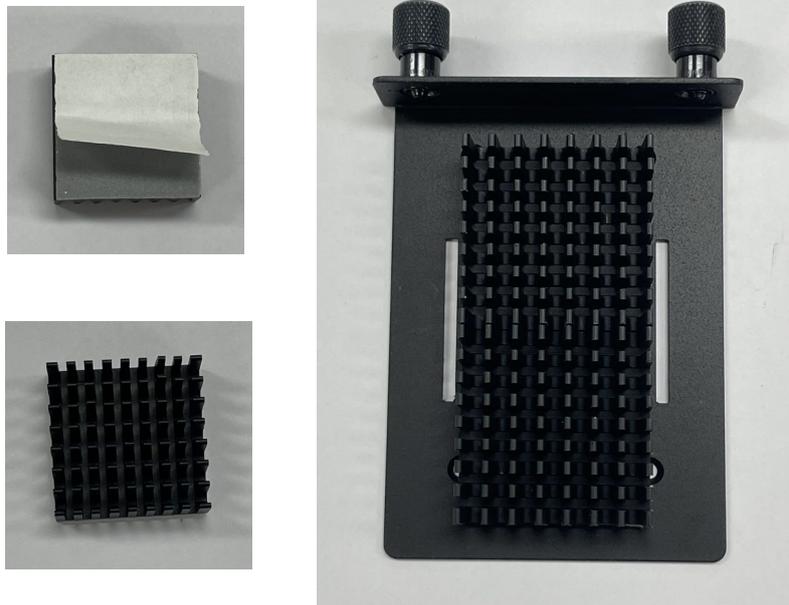


Fig. 4: Two(2) Heat sinks for Module bracket

**1-2 Installation**

#### Step 4

Mount the Module bracket on BR-400 and connect Power cable and Fibers to each Opticis optical module up to 8ea.

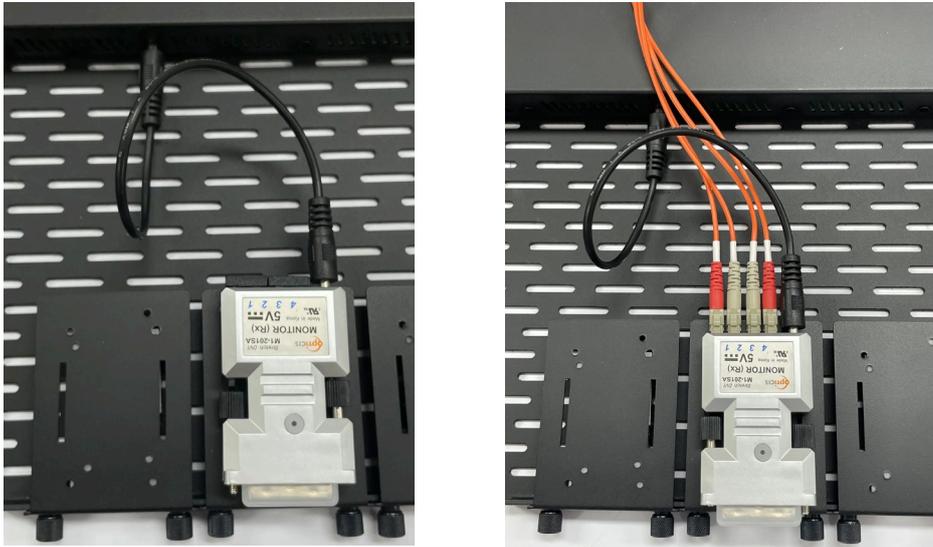


Fig. 5: Mounting the DVI Module bracket on BR-400.

## DPFX-1F14, DPFX-700, HDFX-700 Module

#### Step 1

Remove the screw of DPFX-1F14-TR/DPFX-700-TR/HDFX-700-TR.

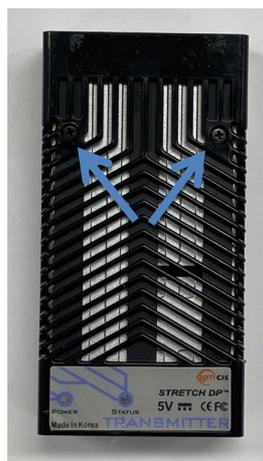


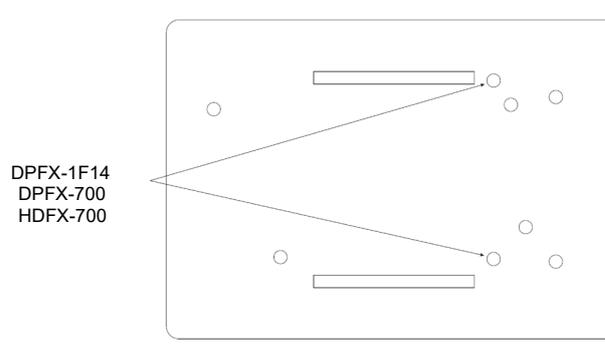
Fig. 6: Remove the screws above.

## 1-2 Installation

## Step 2

Install optical module on the Module bracket with by provided screws according to **Fig.7** for each module.

\*A separate screw is required when installing the DPFX-1F14/DPFX-700/HDFX-700. Please request it when you order BR-400 for DPFX-1F14/DPFX-700/HDFX-700 installation.



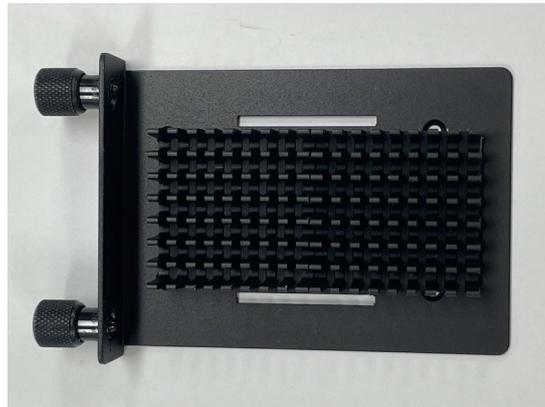
**Fig. 7: Holes on Module bracket for DPFX-1F14-TR/DPFX-700-TR/HDFX-700-TR.**



**Fig. 8: Mounting screws into bracket holes**

**Step 3**

Stick the two(2) Heat sinks on the bottom of Module bracket.



**Fig. 9: Two(2) Heat sinks for Module bracket**

**Step 4**

Mount the Module bracket on BR-400 and connect Power cable and Fibers to each Opticis optical module up to 8ea.



**Fig. 10: Mounting the DPFX-1F14-TR/DPFX-700-TR/HDFX-700-TR Module bracket on BR-400.**

**1-2 Installation**

## DPFX-100-TR Module

### Step 1

Remove the DPFX-100-TR upper part label which covers screw hole and remove the screw, either.



Fig. 11: Remove DPFX-100-TR upper part label and screws

### Step 2

Install optical module on the Module bracket with by provided screws according to **Fig.12**

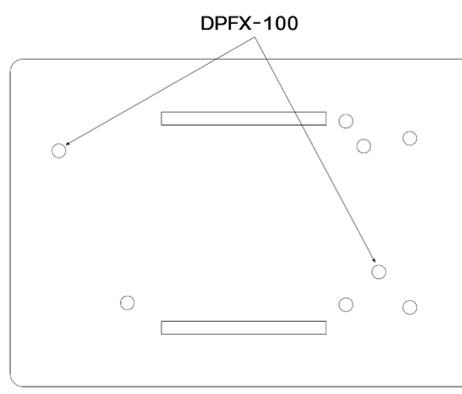
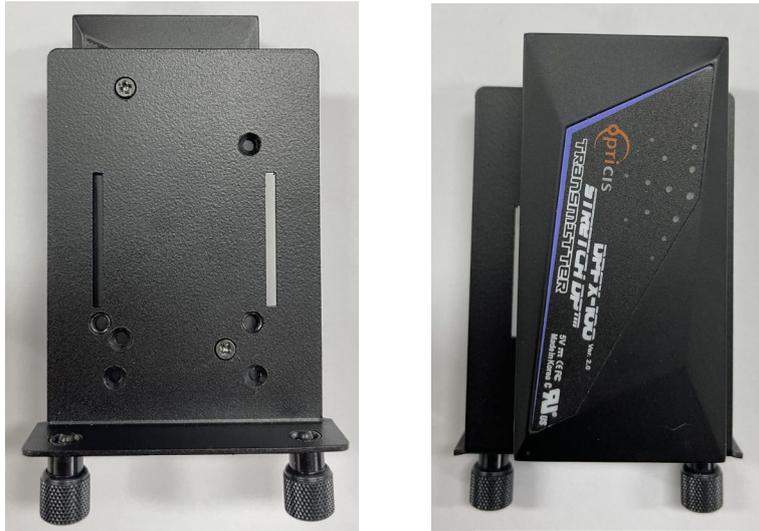


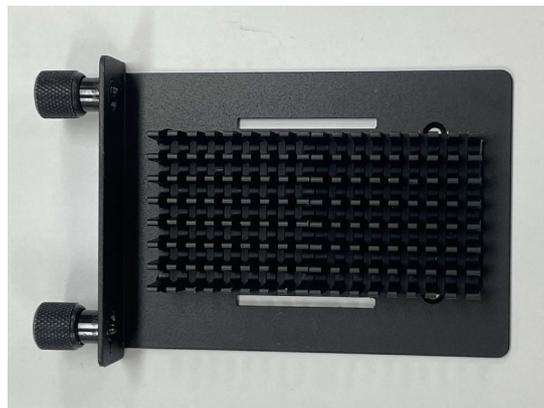
Fig. 12: Holes on Module bracket for DPFX-100-TR



**Fig. 13: Mounting screws into bracket holes**

**Step 3**

Stick the two(2) Heat sinks on the bottom of Module bracket.

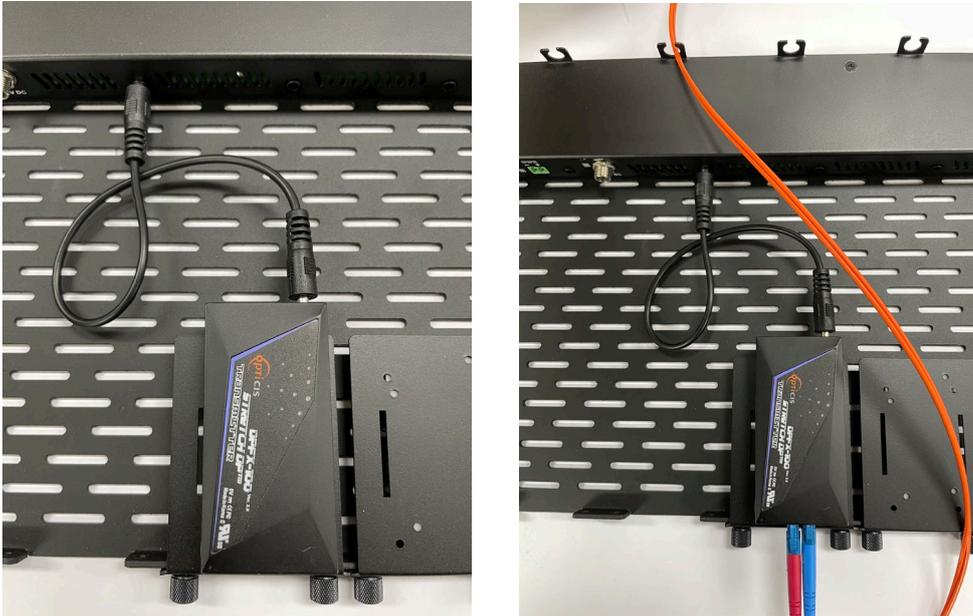


**Fig. 14: Two(2) Heat sinks for Module bracket**

**1-2 Installation**

**Step 4**

Mount the Module bracket on BR-400 and connect Power cable and Fibers to each Opticis optical module up to 8ea.



**Fig. 15: Mounting the DPFX-100-TR Module bracket on BR-400.**



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