

**FVT-2000**  
10/100Mbps Converter Chassis

**User's Manual**

## 1. Overview

The 19-inch FVT -2000 Media Converter Rack is designed to accommodate 10 units of various type media converter at a central location for multiple segments cross connection. IEEE802.3, 10Mbps Ethernet supports for network connection such as 10Base-2, 10Base-T and 10Base-FL. IEEE802.3u, 100Mbps Fast Ethernet supports 100Base-TX, 100Base-FX. The slide-in media converters are available for use at a 19-inch Media Converter Rack.

## 2. Model Description

Converter Rack Model	Power Supply Configurations	DC Output	Slots
FVT-2000	Redundant Power, Dual power units with control unit	65W@+5V	10

The slide-in media converters and Converter Rack should be supplied only from the same source, both Media Converters and Rack are built to match each other at dimensions, DC power jack, DC receptacle and power safety.

## 3. Checklist

Before you start installing the Converter, verify that the package contains the following:

- The FVT -2000 10/100Mbps Converter Chassis
- AC Power Cord
- Mounting Accessory (for 19" Rack Shelf)
- This User's Manual

Please notify your sales representative immediately if any of the aforementioned items is missing or damaged



Fig. 1 Front View of FVT-2000 19-inch Converter Chassis for Redundant Power Model

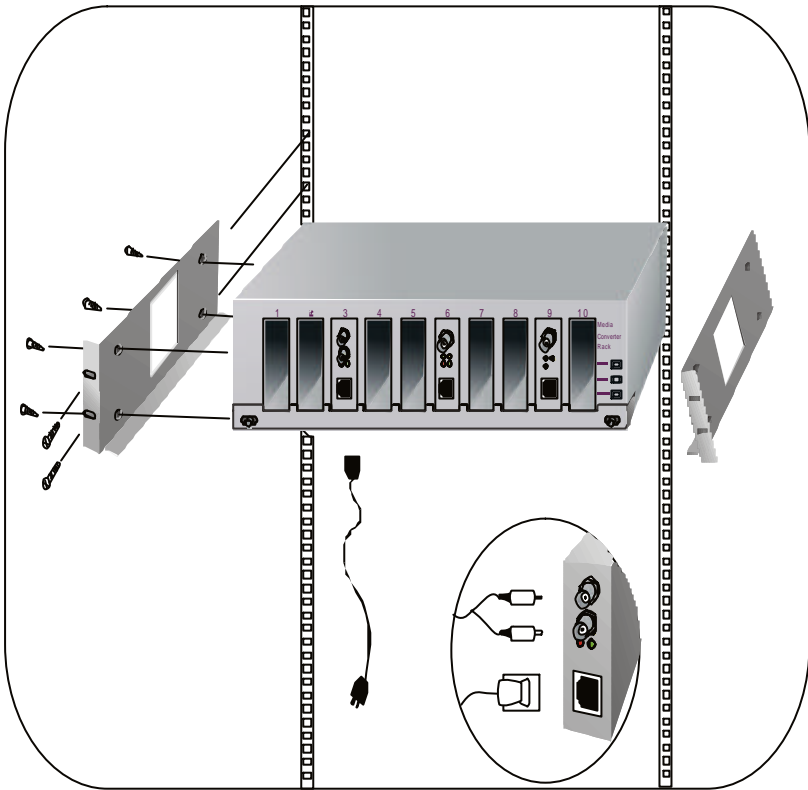


Fig. 2 Installing Media Converter Rack in FVT -2000 19-inch Wiring Closet Rails

#### 4. Installation

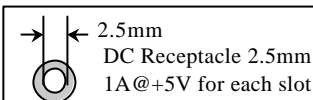
##### A. Installing Media Converter Rack to a Wiring Closet Rack

- ⇒ Install four screws through mounting ears into each side
- ⇒ Locate Converter Rack at 19-inch mounting rails and screw up the front brackets
- ⇒ Set Main power switch at "OFF" position before connecting the power cord

##### B. Installing Media Converter to a Media Converter Rack

- ⇒ The slide-in Media Converters and Converter Rack should be supplied only from the same source, both Media Converters and Rack are built to match each other at dimensions, DC power jack, DC receptacle and power safety.
- ⇒ Turn off the 19" converter rack power
- ⇒ Verify the Media Converter is right for this Rack and locate +5VDC power jack on converter back, carefully slide in and plug to match 19" rack slot +5V DC receptacle
- ⇒ Ensure that there is no activity in the network
- ⇒ Connect the media cable for network connection
- ⇒ Turn on the converter rack power, the Power LED will light up

Fiber Port:	Attach the fiber cable. The Tx, Rx fiber cable must be paired at both ends
TP Port:	Attach UTP Cat. 3 or 5 cable to TP port MPR : To a Hub or Repeater DTE : To a workstation or NIC Slide switch "DTE" / "MPR" is on the side panel. Default: MPR
BNC Port:	Attach T-Connector to BNC port and connect the RG-58 coaxial network. Ensure the coaxial cable/segment is terminated at both ends properly



Each slot of 19-inch Converter Rack, its DC receptacle is 2.5mm wide that conforms to the Media Converter 2.5mm DC jack's central post.

##### Note:

1. Use the straight-through cable. Cable pin-outs for RJ-45 jack are 1, 2, 3, 6 to 1, 2, 3, 6
2. **MPR(Default):** To a Hub or Repeater  
DTE : To a workstation or NIC(Network Interface Card)  
(DTE pin-outs are crossover on board ready)
3. Configure the MPR-DTE slide switch on the side panel for cable connection to a hub or NIC(Network Interface Card)

## 5. 19-inch Media Converter Rack Technical Specifications

- **Model No. :**

Converter Rack Model	Power Supply Configurations	DC Output	Slots
FVT-2000	Redundant Power, Dual power units with control unit	65W@+5V	10

- **Slot Capacity:** 10 slots for slide-in converter
- **LED Indicator:**
  - Power A : Lit when power A is good
  - Power B : Lit when power B is good
  - Redundant: Lit when A and B are good Blink when either one failed
- **Power Requirement:**
  - AC Input:  
Voltage 100-240VAC

**Per slot DC Power Output:**1A@+5VDC

**Per slot DC Power Plug:** 2.5mm DC receptacle

- **Ambient Temperature** : 0° to 50°C
- **Humidity** : 5% to 90%
- **Dimensions** : 110(H) × 430(W) × 332(D) mm
- **Weight** : 8Kg
- **Complies with FCC Part 15 Class A & CE Mark Approval**