



FVT-2001 Version: 1

## 10/100BASE-TX to 100BASE-FX MMF SC Converter, 2km

The FVT-2001 MMF SC media converter is able to convert network signals between copper and fiber-optic based networks. The converter provides a 10/100Base-TX RJ-45 port, supports full duplex and half duplex switch connectivity and 10Base-T and 100Base-TX auto-sensing. Used in multi-mode with fibre-optic cabling, this can extend a network range up to 2km.

The device features built-in Dip switches for easy converter configuration, which function on the Smart LFP (Link Fault Pass-through), allowing the converter to monitor both the fiber and copper ports for signal loss, as well as converter transmission method, auto-negotiation mode for adjusting copper speed and full & half duplex mode.

The FVT-2001 is able to operate in temperatures from -10° up to 55° Celsius. The converter can be used as a standalone unit or as a slide-in module to the CHV-2000 19" Converter Chassis, which can accommodate up to 14 units for use in a central wiring closet.



1. 10/100Mbps Fiber Port
2. LED Indicators
3. 10/100Mbps RJ-45 Port



4. DC Power Jack
5. Dip Switch

### Key Features

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Multi-mode fiber with SC connector for transmission of up to 2km
- Built-in LFP (Link Fault Pass-through) Technology



- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C ~ 55°C operating temperature range

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## Works Well With



**CVH-2000**  
14-Slot Media Converter Chassis



**FVT-2002**  
10/100BASE-TX to 100BASE-FX MMF ST Converter, 2km

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## Specifications

### System Specifications

#### Connectors and Cabling:

1 x 100Base-FX Multi-mode duplex SC  
Fiber cable: 50/125um, 62.5/125um

1 x 10/100Base-TX RJ-45 Port, auto MDI/MDI-X and Auto-Negotiation

#### Wavelength(nm):

1310nm (FVT-2001)  
850nm (FVT-2001EF)

#### Indicator:

PWR, TX (FDX, 100, Link/Act), FX (100, Link/Act)

#### Transmission Method:

Store and forward (Default)

#### Power:

DC 5V/1A

#### Standards & Protocols:

IEEE 802.3 10-BASE-T, Ethernet  
IEEE 802.3u 100-BASE-TX, Fast Ethernet  
IEEE 802.3x Flow Control (full-duplex flow control)

### Features

#### General:

DIP Switch 1: LFP function  
DIP Switch 2: Transmission Mode  
DIP Switch 3: Auto/Force the UTP port work mode  
DIP Switch 4: 10/100M for UTP port  
DIP Switch 5: Full/Half Duplex mode for UTP port  
DIP Switch 6: Normally close

### Performance

Operating Distance:

2KM

## Environment

Temperature (°C):

Storage: -40 ~75 °C

Operating: -10 ~ 55 °C

Humidity (Non-condensing):

5 ~ 90 %

## Physical Specifications

Dimensions (W x D x H mm):

71 x 94 x 26 mm

Weight (g):

420 g

## Others

Approval and Compliance:

CE, FCC

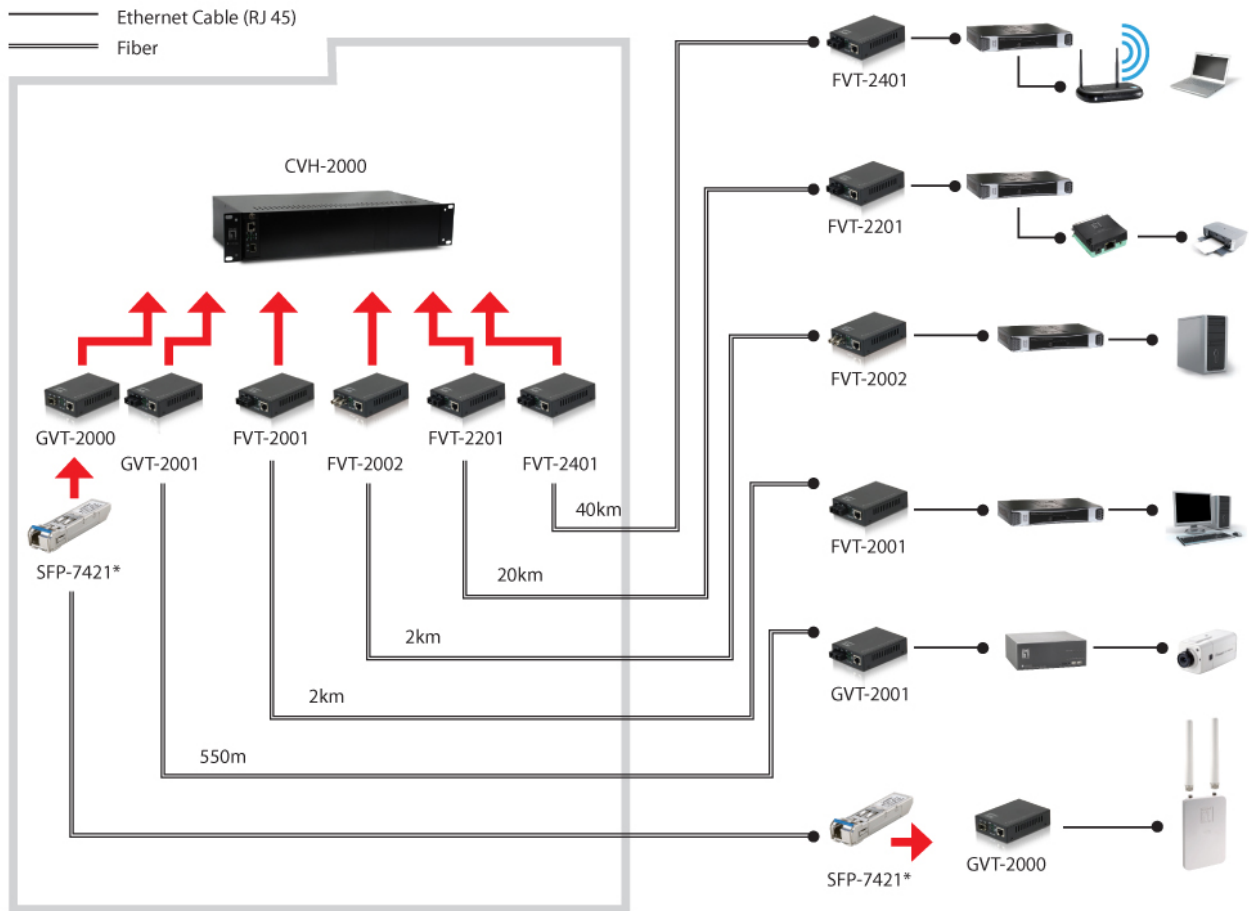
Deployment:

Desk, chassis mounted



# Diagram

## Dimension Diagram



\*In above example diagram, converter modules at local and remote ends should be paired for proper connectivity, and the distance mainly depends on cable and transceiver selection accordingly.

## Order Information

FVT-2001: 1310nm  
 FVT-2001EF: 850nm

## Package Contents

Power Adapter  
 Quick Installation Guide

## Optional Accessory



**CVH-2000**  
 14-Slot Media Converter Chassis

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