



FVT-2202 Version: 1

## RJ45 to SC BIDI Fast Ethernet Media Converter Set, Single-Mode Fiber, 20km

FVT-2202 Fast Ethernet Media Converter Set is ideally designed for connecting two copper wire networks over long distances via fiber optical communication. Featuring Bi-directional (BIDI) fiber optic interface with SC connector allows data transfer in either direction through a single optical fiber by employing separate wavelengths travelling in either direction. Used in single-mode with fibre-optic cabling, this can extend a network range up to 20km.

### Key Features

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB
- -10°C to 55°C operating temperature range
- Single-mode fiber with BIDI SC connector for transmission of up to 20km

### Works With



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



**FVT-2401**  
RJ45 to SC Fast Ethernet Media Converter, Single-Mode Fiber, 40km

### Specifications

#### System Specifications

##### 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)

**Port:**

1 x 100Base-FX Single-mode Single-core(WDM) SC  
Fiber cable: 8.3/125um, 9/125um, 10/125um

1 x 10/100Base-TX RJ-45 Port, auto MDI/MDI-X and Auto-Negotiation  
CAT-5 Twisted Pair cable

**Indicator:**

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

**Wavelength (nm):**

TX1310/RX1550nm

TX1550/RX1310nm

**Transmission Method:**

Store and forward (Default)

**Power Input:**

DC 5V/1A

## 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:**

Fiber connection up to 20km

## Environment

**Operating Temperature (°C):**

Storage: -40 ~75 °C

Operating: -10 ~ 55 °C

**Operating Humidity (Non-condensing):**

5 ~ 90 %

**Installation:**

Desk, chassis mounted

## Physical Specifications

**Dimensions (W x D x H mm):**

71 x 94 x 26 mm

**Weight (g):**

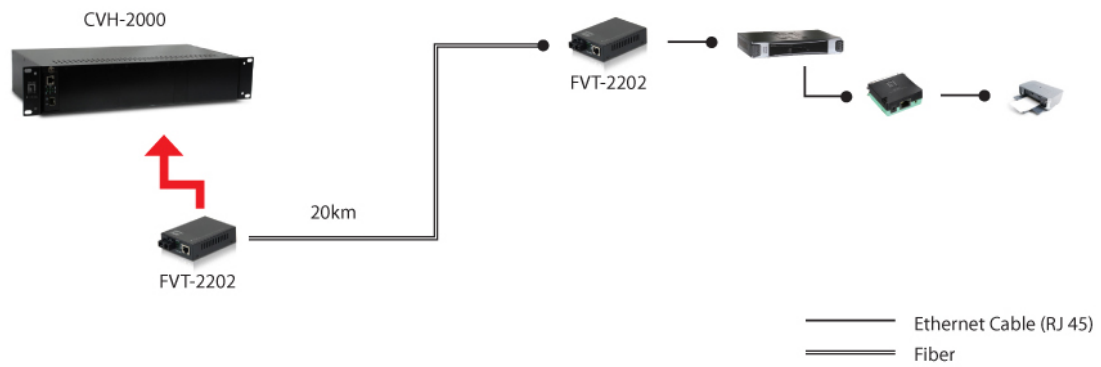
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## Approval and Compliance

**EMI/EMS:**

CE, FCC

## Diagram



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## Order Information

FVT-2202

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## Package Contents

FVT-2202  
Quick Installation Guide  
Power Adapter (x2)

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## Optional Accessory



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

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