



FVT-1104 Version: 1

## RJ45 to SC Fast Ethernet Media Converter, Single-Mode Fiber, 1310nm, 60km

The LevelOne FVT-1104 single-mode fiber optic media converter with SC connection is ideally suited to convert network signals between copper and fiber optic based networks. The converter has a 10/100Base-TX RJ-45 port, supports full-duplex and half-duplex switch connectivity as well as 10Base-T and 100Base-TX auto-sensing. Single-mode fiber optic cables bridge distances of up to 60 km. The converter can be used either stand-alone or as a plug-in module for the CHV-2000 19" chassis, which can accommodate up to 14 converters for use in a central data distributor.

### Key Features

- Supports the transmission of extra-long packets up to 1.6KB
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Single-mode fiber with SC connector for transmission of up to 60km
- Supports low-time lag transmission

### 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 duplex SC  
 Fiber cable: 50/125um, 62.5/125um  
 1 x 10/100Base-TX RJ-45 Port, auto MDI/MDI-X and Auto-Negotiation

##### Indicator:

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

##### Wavelength (nm):

1310nm

##### Transmission Method:

Store and forward (Default)

##### Power Input:

DC 5V/1A



## Performance

Operating Distance:  
60KM

## Environment

Operating Temperature (°C):  
0°C to 50°C

Operating Humidity (Non-condensing):  
-20°C to 70°C

Storage Temperature (°C):  
-20°C to 70°C

Installation:  
Desk, chassis mounted

## Physical Specifications

Dimensions (W x D x H mm):  
71 x 94 x 26 mm

Weight (g):  
420 g

## Reliability

MTBF:  
100,000 hours

## Approval and Compliance

EMI/EMS:  
CE, RoHS

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## Order Information

FVT-1104

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## Package Contents

FVT-1104  
Power Adapter  
Quick Installation Guide

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## Optional Accessory



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

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