



FVT-1106 Version: 1

## RJ45 to SC Fast Ethernet Media Converter, Single-Mode Fiber, 1550nm, 120km

The LevelOne FVT-1106 SMF SC media converter can 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 single-mode with fiber-optic cabling, this can extend a network range up to 120km. 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.

### 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 120km
- 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):

1550nm

##### Transmission Method:

Store and forward (Default)

##### Power Input:

DC 5V/1A



## Performance

Operating Distance:  
120KM

## Environment

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

Operating Humidity (Non-condensing):  
5 ~ 90 %

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-1106

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## Package Contents

FVT-1106  
Power Adapter  
Quick Installation Guide

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## Optional Accessory



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

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