



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

---

## Order Information

FVT-1106

---

## Package Contents

FVT-1106  
Power Adapter  
Quick Installation Guide

---

## Optional Accessory



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

No liability or responsibility for any errors or omissions in the content.  
Specifications are subject to change without notice.  
All mentioned brand names are registered trademarks and property of their owners.  
Copyright © Digital Data Communications GmbH, Germany. All Rights Reserved.