![LevelOne logo]

FVT-1103 Version: 1

# RJ45 to SC Fast Ethernet Media Converter, Single-Mode Fiber, 1310nm, 40km

The LevelOne FVT-1103 single-mode fiber optic media converter with SC connector is perfectly 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 connectivity as well as 10Base-T and 100Base-TX auto-sensing. A range of up to 40 km can be achieved with the appropriate single-mode fiber optic cables. 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 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 40km
- 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:
40KM

## 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:
FCC, CE, RoHS

## Order Information

FVT-1103

## Package Contents

FVT-1103
Power Adapter
Quick Installation Guide

## Optional Accessory

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