FVT-1102 Version: 1

RJ45 to SC Fast Ethernet Media Converter, Single-Mode Fiber, 1310nm, 20km

The FVT-1102 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 20km.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 20km
- 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:
20KM

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):
420g

Reliability

MTBF:
100,000 hours

Approval and Compliance

EMI/EMS:
FCC, CE, RoHS

Order Information

FVT-1102

Package Contents

FVT-1102
Power Adapter
Quick Installation Guide

Optional Accessory

CVH-2000
14-Slot Media Converter Chassis