



FVT-2201 Version: 1

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

The FVT-2201 SMF SC media converter is able to 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 fibre-optic cabling, this can extend a network range up to 20km.

The device features built-in Dip switches for easy converter configuration, which function on the Smart LFP (Link Fault Pass-through), allowing the converter to monitor both the fiber and copper ports for signal loss, as well as converter transmission method, auto-negotiation mode for adjusting copper speed and full & half duplex mode.

The FVT-2201 is able to operate in temperatures from -10° up to 55° Celsius. The converter can be used as a standalone unit or as a slide-in module to the CHV-2000 19-inch Converter Chassis, which can accommodate up to 14 units for use in a central wiring closet.



- 1. 10/100Mbps Fiber Port
- 2. LED Indicators
- 3. 10/100Mbps RJ-45 Port



- 4. DC Power Jack
- 5. Dip Switch

Key Features

- Transfers data from 10/100Base-TX copper to fiber interfaces
- Single-mode fiber with SC connector for transmission of up to 20km
- Built-in LFP (Link Fault Pass-through) (LLCF/LLR) Technology
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Dip switches for customized configuration
- Supports low-time lag transmission
- Supports the transmission of extra-long packets up to 1.6KB



- -10°C to 55°C operating temperature range

Works With



CVH-2000

14-Slot Media Converter Chassis



FVT-2401

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

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: 8.3/125um, 9/125um, 10/125um

1 x 10/100Base-TX RJ-45 Port, auto MDI/MDI-X and Auto-Negotiation
CAT-5 Twisted Pair cable

Indicator:

PWR, TX (FDX, 100, Link/Act), FX (102, Link/Act)

Dip Switch:

DIP Switch 1: LFP function

DIP Switch 2: Transmission Mode

DIP Switch 3: Auto/Force the UTP port work mode

DIP Switch 4: 10/100M for UTP port

DIP Switch 5: Full/Half Duplex mode for UTP port

DIP Switch 6: Normally close

Wavelength (nm):

1310nm

Transmission Method:

Store and forward (Default)

Power Input:

DC 5V/1A

Operating Temperature (°C):

Storage: -40 ~75 °C

Operating: -10 ~ 55 °C

Operating Humidity (Non-condensing):

5 ~ 90 %

Mount:

Desk, chassis mounted

Performance

Operating Distance:

Fiber connection up to 20km

Physical Specifications

Dimensions (W x D x H mm):

71 x 94 x 26 mm

Weight (g):

420 g

Approval and Compliance

EMI/EMS:

EN 55022: 2010/AC:2011

EN 61000-3-2: 2014

EN 61000-3-3: 2013

EN 55024: 2010/AC:2015/AC:2015

EN 61000-4-2: 2001

EN 61000-4-3: 2006

EN 61000-4-4: 2004

EN 61000-4-5: 2005

EN 61000-4-6: 2006

EN 61000-4-11: 2004

FCC

CE

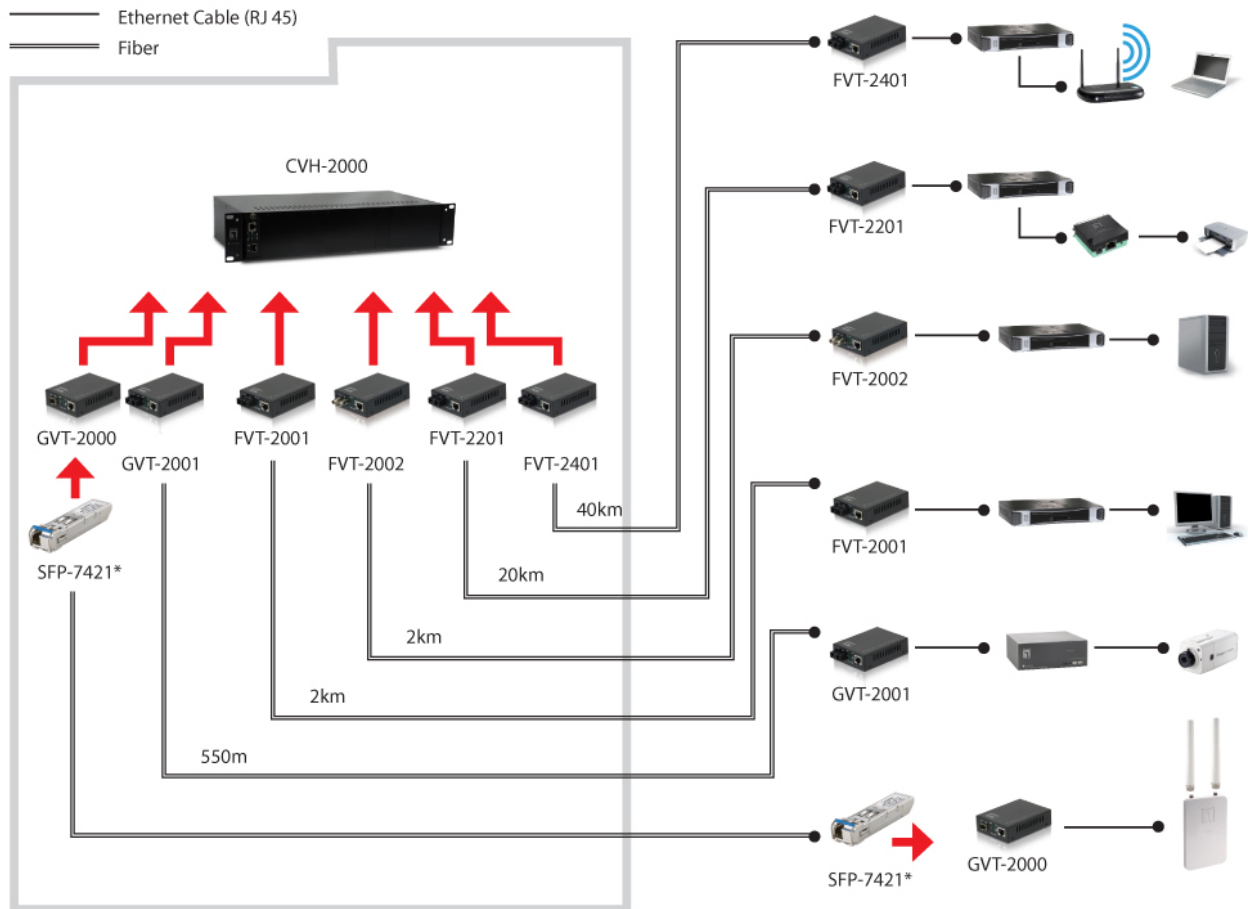
Environmental Test:

RoHS



Diagram

Dimension Diagram



*In above example diagram, converter modules at local and remote ends should be paired for proper connectivity, and the distance mainly depends on cable and transceiver selection accordingly.

Order Information

FVT-2201

Package Contents

FVT-2201

Power Adapter

Quick Installation Guide

Optional Accessory



CVH-2000

14-Slot Media Converter Chassis

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