



## **FVT-2202 10/100BASE-TX to 100BASE-FX SMF SC Converter, 20km**

### **Overview**

The FVT-2202 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-2202 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.

### **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) 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 ~ 55°C operating temperature range

### **System Specifications**

#### **Connectors and Cabling:**

1 x 100Base-FX Single-mode duplex SC

Fiber cable: 9/125um

1 x 10/100Base-TX RJ-45 Port, auto MDI/MDI-X and Auto-Negotiation

CAT-5 Twisted Pair cable

#### **Wavelength(nm):**

1310/1550nm

#### **Indicator:**

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

**Transmission Method:**

Store and forward (Default)

**Power:**

DC 5V/1A

**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)

**Features**

**General:**

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

**Performance**

**Operating Distance:**

Fiber connection up to 20km

**Environment**

**Temperature (°C):**

Storage: -40 ~75 °C

Operating: -10 ~ 55 °C

**Humidity (Non-condensing):**

5 ~ 90 %

**Physical Specifications**

**Dimensions (W x D x H mm):**

71 x 94 x 26 mm

**Weight (g):**

420 g

**Others**

**Approval and Compliance:**

CE, FCC

**Deployment:**

Desk, chassis mounted