



GVT-2001 □□□□ □□: 1

## 10/100/1000BASE-T to 1000BASE-SX MMF SC Converter, 550m

The GVT-2001 MMF SC media converter is able to convert network signals between copper and fiber-optic based networks. The converter provides a 10/100/1000Base-T RJ-45 port, supports full duplex and half duplex switch connectivity and 10Base-T, 100Base-TX and 1000Base-T auto-sensing. Used in multi-mode with fibre-optic cabling, this can extend a network range up to 550m.

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 cut through and smart pass through mode.

The GVT-2001 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" converter rack, which can accommodate up to 14 units for use in a central wiring closet.



- 1. 10/100/1000Mbps Fiber Port
- 2. LED Indicators
- 3. 10/100/1000Mbps RJ-45 Port



- 4. DC Power Jack
- 5. Dip Switch

### Key Features

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- 1000Base-SX Multi-mode fiber for the link up to 550m
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- Built-in LFP (Link Fault Pass-through) Technology



- IEEE 802.3x IEEE 802.3x IEEE 802.3x IEEE 802.3x
- 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

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



**GVT-2000**  
10/100/1000BASE-T to 1000BASE-X SFP Converter

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### System Specifications

**Connectors and Cabling:**

Fiber Duplex SC (550m);RJ-45 Port CAT-5/5e Twisted Pair cable Auto MDI/MDI-X (Max to 100m) and Auto-Negotiation

**Wavelength(nm):**

850nm

**Indicator:**

PWR,TX (FDX, 100, 1000, Link/Act), FX Link/Act

**Transmission Method:**

Store and forward (Default)

**Power:**

DC 5V/2A

**Standards & Protocols:**

IEEE 802.3 10-BASE-T, Ethernet  
 IEEE 802.3u 100-BASE-TX, Fast Ethernet  
 IEEE 802.3ab 1000BASE-T, Gigabit Ethernet  
 IEEE 802.3x Flow Control (full-duplex flow control)  
 IEEE802.3z 1000Base-SX/LX,

### Physical Specifications

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

71 x 94 x 26 mm

**Weight (g):**

420 g

### Performance

**Operating Distance:**

550 m

### Features

**General:**

DIP Switch 1: LFP function

DIP Switch 2 and 3 performance 4 types work mode

DIP Switch 2 and 3 is OFF = Store and forward

DIP Switch 2 is OFF, 3 is ON = Cut through mode

DIP Switch 2 is ON, 3 is OFF = Smart pass through

DIP Switch 2 and 3 is ON = Pass through mode

**Environment****Temperature (°C):**

Storage: -40 ~75 °C

Operating: -10 ~ 55 °C

**Humidity (Non-condensing):**

5 ~ 90 %

**Others****Approval and Compliance:**

CE, FCC

**Deployment:**

Desk, wall and chassis mounted

