



10/100/1000BaseT to SFP Media Converter



GVT-4000

H/W Version: 2

LevelOne provides a complete series of media conversion solutions for flexible network extensions. The GVT-4000 media converter is able to convert network signals between UTP and fiber optic cable based networks. This allows extension of networks over a longer distance in both multi- and single mode via fiber-optic cabling.

This Media Converter provides a 10/100/1000BaseT auto-negotiating RJ-45 connector port that supports full duplex and half duplex switch connectivity and MDI/MDI-X Auto Crossover. The Smart Link Fault Pass-through technology (Link Loss Forwarding) enables the switch to shut down data transmission when the link connection has failed.



- 1. 10/100/1000 Mbps RJ-45 Port
- 2. LEDs
- 3. Dip Switch
- 4. Mini-GBIC Slot
- 5. Power

Key Features

- UTP to Fiber (mini-GBIC) Media converter
- Auto Negotiation Speed, Half/Full Duplex
- TX port support Auto MDI/MDI-X
- Build in Link Loss Forwarding Technology
- Hot swap for chassis
- Can be used stand alone or mounted in Converter Chassis

Works Well With



GVT-0300
Multi-mode SFP Tranceiver
(550m)



FVT-4000
10-Slot Media Converter Chassis
w/Redundant power supply



Technical Specifications

Standards Compliant

IEEE802.3 10BASE-T
 IEEE802.3u 100BASE-TX
 IEEE 802.3ab 1000BaseT
 IEEE 802.3z 1000BaseSX/LX
 IEEE802.3x Flow Control and Back pressure

Connector

Fiber
 mini-GBIC 3.3V
 RJ-45 Socket
 CAT-5 (10/100/1000Mbps) Twisted Pair cable
 Auto MDI/MDI-X and Auto-Negotiation Function Support

Switch architecture

Store and Forward

Fiber parameters

Fiber Core
 Multi-Mode (62.5/125µm, 50/125µm)
 Single-Mode (9/125µm, 8/125µm)
 Wavelength
 850nm(Multi-mode)
 1310nm(Single-mode)

LED Indicators

Power, TX (100/1000Mbps, LK/Act, FDX), Fiber (LK/Act, FDX)

DIP Switch

DIP Switch 1: LLF(Link Loss Forwarding) Enable/Disable
 DIP Switch 2: Pure converter mode/ Switch converter mode
 DIP Switch 3: Reserved

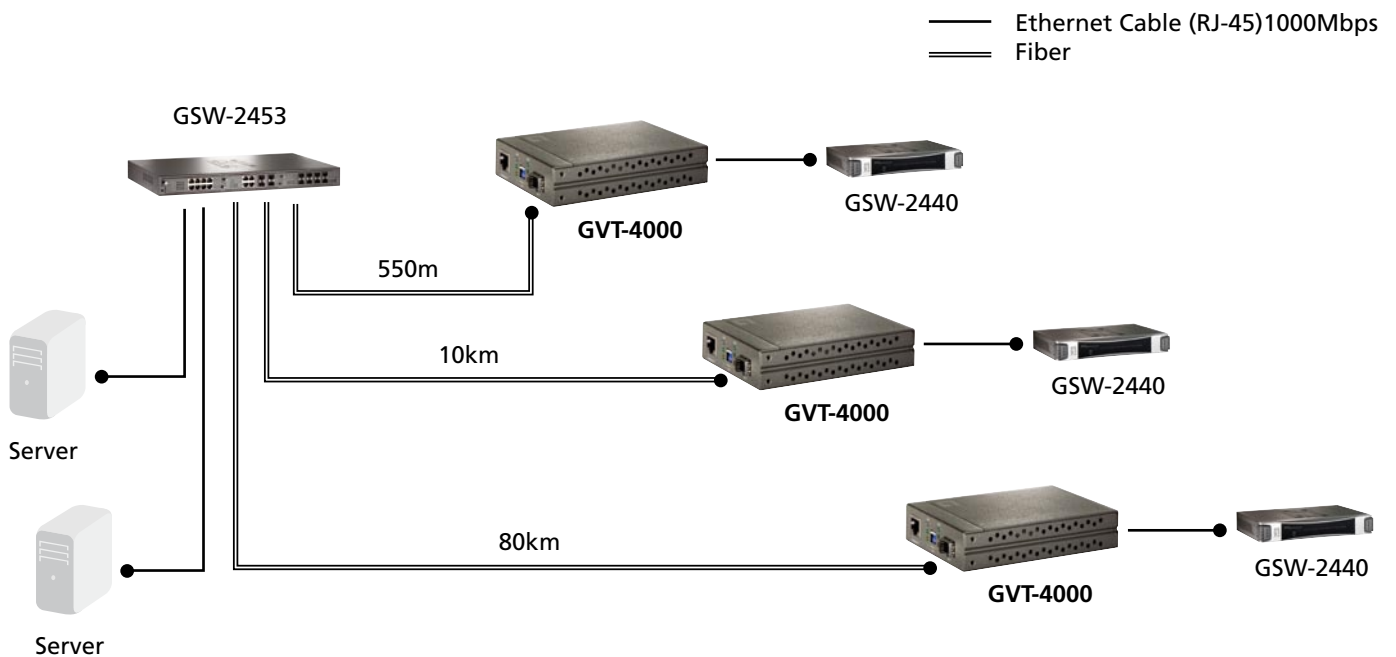
Physical Specifications

Power DC9V / 0.7A
 Dimension 119 x 85 x 26mm
 Operation Temp. 0 ~ 45°C
 Operation Humidity 10% to 90% (Non-condensing)
 Storage Temp. -10 ~ 70°C

Certifications

EMI: FCC Class A, CE
 Safety: UL, cUL

Product Diagram



Order Information

GVT-4000: 10/100/1000BaseT to SFP Media Converter

Package Contents

GVT-4000, Power Adapter, User Manual

Option Accessories



GVT-0300
 Mini GBIC SFP transceiver,
 SX Multi-Mode (550m)



GVT-0301
 Mini GBIC SFP transceiver,
 LX Single-Mode (10km)



GVT-0302
 Mini GBIC SFP transceiver,
 ZX Single-Mode (80km)