

## 10/100/1000BaseT to SFP Media Converter

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.



**GVT-4000**

### 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

### Technical Specification

- **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: Fiber Auto-Nego / 1000Mbps Full Duplex mode  
DIP Switch 2: TX to Fiber LLF (Link Loss Forwarding) Disable/Enable  
DIP Switch 3: Fiber to TX LLF (Link Loss Forwarding) Disable/Enable
- **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

## SFP Modules

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### ■ SFP Module

- GVT-0300 SFP transceiver, Multi-mode 550m
- GVT-0301 SFP transceiver, Single-mode 10km
- GVT-0302 SFP transceiver, Single-mode 70km

## Ordering Information

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



For more information, please contact your LevelOne representative, or visit [www.level1.com](http://www.level1.com)  
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