



GVT-0500 Version: 1

RJ45 to SFP+ 10-Gigabit Media Converter

The LevelOne GVT-0500 is a powerful 10 Gigabit media converter which, in combination with the optional available LevelOne SFP+ modules, converts optical into electrical signals, supports optical signal equilibrium amplification, clock extraction and optical regeneration. It uses WDM (DWDM/CWDM) technology, which can transmit data signals over a long distance in a single fiber in simple or multiple ways. On existing network infrastructure, the GVT-0500 can quickly improve transmission capacity and expand bandwidth. At the same time, it is a cost-efficient and highly cost-effective solution for managing and operating the system. It is also optimized for ease of operation and maintenance.

Key Features

- 9K jumbo frames to increase data transfer rates
 - Supports low-time lag transmission
 - Supports ITU-T DWDM/CWDM wavelengths
 - Hot-swappable
 - Quick and easy installation
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Specifications

System Specifications

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
IEEE802.3an(10Gbase-T),
IEEE802.3ae(10Gbase-SR/LR/ER/ZR)

Port:

Fiber SFP slot; RJ-45 Port Cat6A above Twisted Pair cable Auto MDI/MDI-X (Max to 100m) and Auto-Negotiation

Indicator:

PWR,TX (FDX, 1000, 10G, Link/Act), FX Link/Act

Wavelength (nm):

depend on SFP module

Transmission Method:

Store and forward (Default)

**Power Input:**

DC 5V/3A

Power Consumption:

1.2W

Operating Temperature (°C):

-10 ~ 55 °C

Operating Humidity (Non-condensing):

5 ~ 90 %

Storage Temperature (°C):

-40 ~75 °C

Mount:

Desk, chassis mounted

Performance

Operating Distance:

Depend on SFP+ Module

Physical Specifications

Dimensions (W x D x H mm):

115x 85 x 25mm

Weight (g):

300g

Reliability

MTBF:

50000hrs

Approval and Compliance

EMI/EMS:

CE, RoHS

Order Information

GVT-0500

Package Contents

GVT-0500

Power Adapter

Quick Installation Guide

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