GVT-2011 Version: 1



RJ45 to SFP Gigabit Media Converter Switch, 2 x SFP, 1 x RJ45

The LevelOne GVT-2011 Gigabit Media Converter Switch provides 1 RJ45 and 2 SFP ports to support conversion between 10/100/1000Base-T and 1000Base-X networks. With the two SFP ports, the converter switch provides high reliability and flexibility to extend the media transmission distance up to 550m, 20km, or longer depending on the SFP fiber optical transceivers. It allows the two types of segment to connect easily, efficiently and inexpensively.

The GVT-2011 works in high performance Store and Forward mechanism, and prevent packet loss with IEEE 802.3x Flow Control (Full-Duplex) and Back Pressure (Half-Duplex) functions. As the GVT-2011 Media Converter fully complies with IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-X, the Gigabit media converter installation is quite quick and easy by simply plug and play.

Key Features

- Transfers data from 10/100/1000Base-T copper to fiber interfaces
- SFP slot supports pluggable Gigabit optic modules that enabling you to choose from a variety of transceiver
- IEEE 802.3x Flow Control protects against lost packets for reliable data transmission
- Supports low-time lag transmission
- -10°C to 55°C operating temperature range

Specifications

System Specifications

Standards & Protocols:
IEEE802.3 10Base-T Ethernet
IEEE802.3u 100Base-TX Fast Ethernet
IEEE802.3ab 1000Base-T
IEEE802.3z 1000Base-X Gigabit Ethernet over Fiber-Optic
IEEE802.3x flow control

Connectors and Cabling:
2 x SFP Slot
1 x RJ45
1 x DC Jack

Indicator:
PWR, 1000M, LINK/ACT, F1, F2

Wavelength (nm):
Depend on SFP fiber optical transceiver

Transmission Method:
Store and Forward mechanism

Power Input:
110VAC~240VAC

Power Output:
5V/2A

Power Consumption:
MAX to 5w

Features

General:
2 ports 1000Base-SX/LX SFP Fiber optic, 1 port 10/100/1000Base-T RJ45
Auto-Negotiation for 10/100 Base-TX Full-Duplex and 10/100 Base-TX Half-Duplex
Support IEEE 802.3x Full-Duplex Flow-Control and Back pressure for Half-Duplex to eliminates packets loss
Support Auto MDI/MDI-X function
Support VLAN tag, Multicast pass through, and support the max packet length 9000 bytes
Store-and-Forward mechanism, and 3-port data auto-switching or Backup mode for fiber ports

Performance

Operating Distance:
Depend on SFP fiber optical transceiver

Jumbo Frame (K):
9K

Environment

Temperature (°C):
-10~55ºC

Humidity (Non-condensing):
5% ~ 90% non-condensing

Installation:
wall, desktop, chassis

Physical Specifications

Dimensions (W x D x H mm):
71 x 94 x 26

Weight (g):
0.3kg

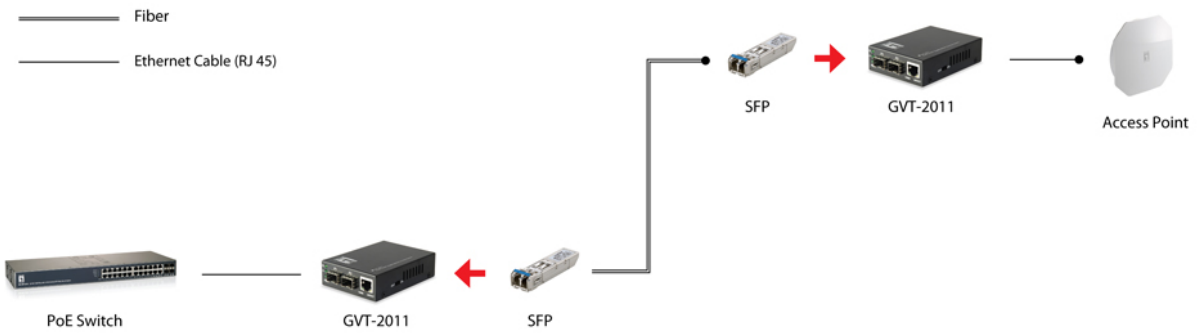
Reliability

MTBF:
30000h

Approval and Compliance

EMI/EMS:
FCC, CE

Diagram



Order Information

GVT-2011

Package Contents

GVT-2011
Power Adapter
Quick Installation Guide

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