

# GVM-2002 Smart Gigabit RJ45-SC Media Converter, Single-Mode Fiber, 1310nm, 20km, Compatible with 19-inch rack-mountable chassis

## Product Images

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## Short Description

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- 1 × 10/100/1000BASE-T RJ45 port and 1 × Gigabit SC fiber port
- Single-Mode fiber with SC connector for transmission of up to 20km
- Supports QoS, ERPS, IGMP, VLAN, ACL functions
- Fully compatible with 19-inch rack-mountable chassis for easy integration
- Provides 6 kV surge protection and 6 kV contact / 8 kV air ESD protection
- Supports management via Web browser and SNMP

## Description

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The LevelOne GVM-2002 is a Smart Gigabit Media Converter designed to efficiently bridge Ethernet signals between 10/100/1000Base-T and single-mode fiber with an SC connector, supporting transmission distances of up to 20 km. It supports both half- and full-duplex operation, offering flexible deployment options, optimized performance, and a lower total cost of ownership.

Featuring an intuitive web-based management interface, the GVM-2002 allows for easy configuration, monitoring, and maintenance—either locally or via SNMP. Users can conveniently manage key functions such as bandwidth control, duplex mode, port speed, and VLAN configuration. The converter is also compatible with the 19-inch rack-mountable 14-slot Media Converter Chassis (CVH-2000), providing reliable performance, centralized management, and streamlined network operation.

## Additional Information

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|--------------------------|--|
| Features.                | System Management • Web browser, SNMP • Display system information.IP address, subnet mask and gateway item can be configured • Reset user name and password • Recover the default configuration • Reboot switch • Firmware upgrade by HTTP protocol through Ethernet network Port Management • Auto-negotiation • Port Enable/Disable • Flow Control • Bandwidth control per port • Port Mirror VLAN • IEEE 802.1Q tag-based VLAN • Up 4096 VLAN IDs QoS • Traffic classification based,strict priority and WRR • 8-level priority for switching • Traffic classification • Cos/802.1p • DSCP ACL • ACL based port MAC • Dynamic Address • Static Address Ring protocol • Supports ERPS,and complies with ITU-TG.8032 • Recovery time <500ms Loop Detection • Enable/Disable IGMP SNOOPING • Enable/Disable Configuration Management • Configuration upload/download through HTTP |
| Fiber Optical Mode.      | Single-Mode  |
| Media Interface.         | RJ45 to SMF SC   |
| PoE Supported.           | No   |
| Manageable.              | Yes  |
| Grade.                   | Commercial   |
| Approval and Compliance. | • CE • UKCA • FCC CFR Title 47, Part 15, Subpart B Class B • ANSI C63.4:2014 • RoHS  |
| Operating humidity.      | 5% RH ~ 90% RH   |
| Operating temperature.   | 0°C ~ 45°C   |
| Storage humidity.        | 5% RH ~ 90% RH   |
| Storage temperature.     | -40°C ~ 70°C   |
| Package Contents.        | • GVM-2002 • Power Adapter with Power Plug • Quick Installation Guide • Declaration of Conformity  |
| Color.                   | Black  |
| Model Number.            | GVM-2002   |
| Dimensions (W x D x H).  | 94 x 71 x 26 mm  |
| Product weight (kg).     | 0.177 kg   |

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|------------------------|---|
| Data Rate.             | 1Gbps   |
| Indicators.            | ● PWR: Green,power supply ● L/A (Right): Green, Link/Active for UTP ● FX (Left): Green,Link/Active for Fiber  |
| Jumbo frame (KB).      | 9 KB  |
| Mount.                 | Desk mount  |
| MTBF.                  | >400K(SR332)  |
| Power consumption.     | 10 W  |
| Power supply.          | 5VDC/2A (Power Adapter with Power Plug)   |
| Power supply included. | Yes   |
| Standards.             | IEEE 802.3 10-BASE-T, Ethernet, IEEE 802.3u 100-BASE-TX, Fast Ethernet, IEEE 802.3ab 1000BASE-T, Gigabit Ethernet, IEEE 802.3az Energy-Efficient Ethernet |

