



## LevelOne RJ45 to ST Gigabit Media Converter, Single-Mode Fiber, 1310nm, 20km

**Brand :** LevelOne

**Product code:** GVT-2003

**Product name :** RJ45 to ST Gigabit Media Converter, Single-Mode Fiber, 1310nm, 20km



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The GVT-2003 SMF ST media converter is able to convert network signals between copper and fiber-optic based networks. The converter provides a 10/100/1000Base-T RJ-45 port, supports full duplex and half duplex switch connectivity and 10Base-T, 100Base-TX and 1000Base-T auto-sensing. Used in single-mode with fibre-optic cabling, this can extend a network range up to 20km. The device features built-in Dip switches for easy converter configuration, which function on the Smart LFP (Link Fault Pass-through), allowing the converter to monitor both the fiber and copper ports for signal loss, as well as cut through and smart pass through mode. The GVT-2003 is able to operate in temperatures from -10° up to 55° Celsius. The converter can be used as a standalone unit or as a slide-in module to the CHV-2000 19" converter rack, which can accommodate up to 14 units for use in a central wiring closet.



| Network                                  |                                                    | Weight & dimensions                   |             |
|------------------------------------------|----------------------------------------------------|---------------------------------------|-------------|
| Maximum data transfer rate *             | 1000 Mbit/s                                        | Depth                                 | 94 mm       |
| Converter input interface                | 1000Base-LX, 1000Base-SX                           | Height                                | 26 mm       |
| Networking standards                     | IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3z | Weight                                | 200 g       |
| Ethernet interface type                  | Fast Ethernet, Gigabit Ethernet                    | <b>Operational conditions</b>         |             |
| Ethernet LAN data rates                  | 10,100,1000 Mbit/s                                 | Operating temperature (T-T)           | -10 - 55 °C |
| Copper ethernet cabling technology       | 10BASE-T, 100BASE-TX, 1000BASE-T                   | Storage temperature (T-T)             | -40 - 70 °C |
| Jumbo frames support                     | ✓                                                  | Operating relative humidity (H-H)     | 5 - 90%     |
| Jumbo frames                             | 9000                                               | Storage relative humidity (H-H)       | 5 - 90%     |
| Flow control support                     | ✓                                                  | <b>Packaging data</b>                 |             |
| Duplex system                            | Full, Half                                         | Package width                         | 235 mm      |
| Link Loss Carry Forward (LLCF) supported | ✓                                                  | Package depth                         | 120 mm      |
| Link Loss Return (LLR) supported         | ✓                                                  | Package height                        | 55 mm       |
| Link Fault Pass-through (LFP)            | ✓                                                  | Package weight                        | 840 g       |
| <b>Ports &amp; interfaces</b>            |                                                    | Package type                          | Box         |
| Connectivity technology                  | Wired                                              | <b>Packaging content</b>              |             |
| Ethernet LAN (RJ-45) ports               | 1                                                  | AC adapter included                   | ✓           |
| Fiber optic connector *                  | ST                                                 | Quick installation guide              | ✓           |
| DC-in jack                               | ✓                                                  | <b>Technical details</b>              |             |
| <b>Performance</b>                       |                                                    | Sustainability compliance             | ✓           |
| Maximum transfer distance *              | 20000 m                                            | Sustainability certificates           | CE          |
| Wavelength *                             | 1310 nm                                            | <b>Logistics data</b>                 |             |
| Fiber mode structure                     | Single-mode                                        | Master (outer) cases per pallet (air) | 16 pc(s)    |
| <b>Design</b>                            |                                                    | Pallet gross length                   | 80 cm       |
| Internal *                               | ✗                                                  | Pallet gross width                    | 120 cm      |
| LED indicators                           | Link, Power                                        | Pallet height (air)                   | 158.4 cm    |
| Product colour                           | Black                                              | Master (outer) case width             | 360 mm      |
| Country of origin                        | China                                              | Master (outer) case length            | 390 mm      |
| <b>Power</b>                             |                                                    | Master (outer) case height            | 480 mm      |
| Power consumption (typical)              | 5 W                                                | Master (outer) case gross weight      | 31.2 kg     |
|                                          |                                                    | Products per master (outer) case      | 36 pc(s)    |

**Weight & dimensions**

Width71 mm



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