



LevelOne RJ45 to SC Gigabit Media Converter, Multi-Mode Fiber, 550m

Brand : LevelOne

Product code: GVT-2001

Product name : RJ45 to SC Gigabit Media Converter, Multi-Mode Fiber, 550m



RJ-45, SC, 10/100/1000BASE-T, 550 m, MMF, 420 g

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The GVT-2001 MMF SC 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 multi-mode with fibre-optic cabling, this can extend a network range up to 550m.

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-2001 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		Design	
Maximum data transfer rate *	1000 Mbit/s	LED indicators	Activity, Link, Power
Converter input interface	10Base-T, 100Base-TX, 1000Base-T	Product colour	Black
Converter output interface	1000Base-LX, 1000Base-SX	Country of origin	China
Networking standards	IEEE 802.3, IEEE 802.3ab, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z	Certification	CE, FCC
Ethernet interface type	Gigabit Ethernet	Power	
Ethernet LAN data rates	10,100,1000 Mbit/s	Input voltage	5 - 12 V
Jumbo frames support	✓	Input current	2 A
Jumbo frames	9000	Weight & dimensions	
Flow control support	✓	Width	94 mm
Auto MDI/MDI-X	✓	Depth	70 mm
Auto-negotiation	✓	Height	25 mm
Store-and-forward	✓	Weight	420 g
Duplex system	Full	Operational conditions	
Link Loss Carry Forward (LLCF) supported	✓	Operating temperature (T-T)	-40 - 75 °C
Link Loss Return (LLR) supported	✓	Storage temperature (T-T)	-10 - 55 °C
Cable types supported	Cat5, Cat5e	Operating relative humidity (H-H)	5 - 90%
Ports & interfaces		Packaging data	
Connectivity technology	Wired	Package width	235 mm
Ethernet LAN (RJ-45) ports	1	Package depth	125 mm
Fiber ports quantity	1	Package height	55 mm
Fiber optic connector *	SC	Package weight	530 g
DC-in jack	✓	Package type	Box
Performance		Packaging content	
Maximum transfer distance *	550 m	AC adapter included	✓
Wavelength *	850 nm	Quick installation guide	✓
Fiber mode structure	Multi-mode	Technical details	
Design		Sustainability certificates	RoHS
Internal *	✗	Compliance certificates	RoHS
		Logistics data	
		Harmonized System (HS) code	85176990



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