

Mini GBIC Transceiver

LevelOne's mini GBIC transceivers provide the flexibility for user's fiber Gigabit network connections. Those transceivers are developed in the industry-standard Small Form Pluggable(SFP) package with duplex LC connector, thus easily sliding into mini GBIC modules.

These transceivers support SX/LX/ZX standard optic with multi-mode and single-mode mini GBIC connector. They provide signal amplification to transfer and receive data between two ends of mini GBIC ports

These transceiver can be used for distributed multi-processing, switch to switch interface, high-speed I/O file transfer, bus extension application, and channel extender/data storage.



Technical Specification

	GVT-0300	GVT-0301	GVT-0302
Standards Compliance	IEEE 802.3z		
Data Rate Gigabit	1.25Gbd (Bi-directional)		
Data Rate Fiber Channel	1.0625Gbd (Bi-directional)		
Media	MMF	SMF	SMF
Optical Receiver Sensitivity	-18dBm(Max), BER<10 ⁻¹²	-20dBm	-24dBm
Optical Transmission Power	-9.5 ~ 0dBm	-9.5 ~ -3.0dBm	-1.0 ~ +4.0dBm
Power Budget	8.5 dB	10.5dB	23.0dB
Center Wave Length	850nm	1310nm	1550nm
Transmission Range	50/125 μm, Up to 550m	9/125 μm, Up to 10km	9/125 μm, Up to 70km
Connector	LC Type		
Supply voltage	3.1~3.5V		
Max Voltage/ Current	6V/ 300mA		
Operation Temperature:	0°C~70°C		
Humidity	5 ~ 90% (non-condensing)		
Dimensions (in)	1.19 (W) x 0.47 (D) x 2.25 (H)		
EMI and Safety	Class 1 Laser: EN60825-1 FDA 21: 1040.10, 1040.11		

Compatible Devices

Devices	Modules
GSW-1675T/2475	
GSW-1655/2455	
GSW-2453	MDU-2453M/ MDU-2453TM
GSW-2472TGX	
GSW-4870TGX	
GSW-4875	
GSW-1290	MDU-1290M
GSW-1291	
GSW-2493	MDU-0142
GSW-2494	
GSW-2690	
GSW-0840T v2	
GVT-1000	

Ordering Information

- GVT-0300: SFP Transceiver for mini GBIC module (550m)
- GVT-0301: SFP Transceiver for mini GBIC module (10km)
- GVT-0302: SFP Transceiver for mini GBIC module (70km)