SHOGUN
Technology Solution

SG-672

Gigabit Single Port single fiber Media Converter

Features

- 1 x 10/100/1000Base-T, RJ45 port (Full/Half duplex operations)
- 1 x 100Base-FX/1000Base-X with SFP slot
- Auto MDI/MDI-X and Auto-negotiation (NWay, auto-sensing) on RJ45
- Extends distance up to 2km for Multi-mode under full duplex mode and up to 120km with long-haul single-mode under full duplex mode
- Support packet size up to 9KB
- Enhanced with DIP-Switch for Link Fault Signaling, Loop-back Testing and SFP dual speed setting
- Packet Buffer Size: 512KB, MAC Table Size: 1K
- Support to transmit VLAN packets (IEEE802.1q), Quality of Service (IEEE802.1p), STP packets (IEEE802.1d)
- Support Hot-swappable
- LFS (Link Fault Signaling) with ALM's LED to indicate link failure status and support to work for redundant link with L2 managed switch
- Support to install with 12-Slot Media Converter Chassis (SG-719)

Overview

Gigabit Media Converter is specifically designed for large workgroups such as enterprise or campus environments which demand maximum bandwidths, and engineered to offer a solution for networks that are ready to expand or migrate from copper-based Gigabit triple speed to Fiber-based Gigabit network. Along with the capability of converting media transmissions, SG-672 features intelligent functions like Auto MDI/MDIX, LFS (Link Fault Signalling), LEDs, DIP switches etc to provide easy plug & play, continuous monitoring and thereby minimize downtime for mission-critical networks.

Specifications

IEEE 802.3	10Base-T (Ethernet)
IEEE 802.3u	100Base-TX/100Base-FX (Fast Ethernet)
IEEE 802.3ab	1000Base-T (Gigabit Ethernet)
IEEE 802.3z	1000Base-SX/LX
IEEE 802.3x	Flow Control
Fiber Optics	
Connector Type	SFP (LC)
Fiber Mode	Depends on SFP module (MM or SM)
Distance	Up to 550km or 2km for Multi-mode Up to 20, 40, 80, 120km for Single-mode
LAN (RJ45)	
Speed	Up to 1000Mbps
Max. Distance (meter)	100
Power	
Power Input	12VDC, DC Jack
Power Consumption	<6 Watt
Power Adapter	100-240VAC, 50-60Hz, 12VDC/1A AC Adapter
DIP-Switch	
LFS	Link Fault Signaling function
LLB	Local Loopback function
RLB	Remote Loopback function
100FX	100FX SFP tranceiver

Mechanical and Environment	
Housing	Aluminum
Dimensions (W x H x D)	73.8 x 23.4 x 109.2 (mm)
Weight	150g
Mounting	Desktop, Chassis Compatible
Operating Temperature	0~50°C
Storage Temperature	-20~70°C
Operating Humidity	10~95% RH (non-condensing)
Storage Humidity	5~95% RH (non-condensing)
LED Status	PWR, Fiber, RJ45, 1000, LNK/ACT, ALM (LFS)
Standards and Certifications	
EMI/EMS	FCC Part 15 of Class A & CE Approved EN 55022 Class A EN 61000-3-2 EN 61000-3-3 EN 55024 IEC/EN 61000-4-2 (ESD) Level 4 IEC/EN 61000-4-3 (RS) Level 2 IEC/EN 61000-4-4 (EFT) Level 2 IEC/EN 61000-4-5 (Surge) Level 3 IEC/EN 61000-4-6 (CS) Level 2 IEC/EN 61000-4-8 (PFMF) Level 2 IEC/EN 61000-4-11
Green Product	RoHS

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