SHOGUN
Technology Solution

SG-672

Gigabit Single Port single fiber Media Converter

Functions

- 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 14 slot Rack Mount Media Converter Chassis

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.

Specification

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 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

SHOGUN TECHNOLOGY CO.,LTD
RM 1202, 12/F,TUNG CHUN COMMERCIAL CENTRE, 438-444 SHANGHAI STREET, KOWLOON, HONGKONG