

SG1110-SCX-K

Gigabit Single Port single fiber Media Converter



Functions

- All series supports gigabit RJ45 port and gigabit fiber port combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.
- Compatible with IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-X network protocol, gigabit R45 port rate auto-negotiation
- Support full-duplex/half-duplex working mode with auto-negotiation function
- Automatic identification of twisted pair MDI/MDI-X cross lines and parallel lines
- Plug and play, no configuration required, centralized power supply and centralized connection management through 2U-14 slot rack
- LED working status indication for network diagnosis and fault checking, reducing maintenance workload.

Overview

SG-1110-SCX-O series is a gigabit fiber media converter independently developed by Shogun. It has 1* 10/100/1000Base-T port and *1000M uplink SC /LC fiber port, User can select different optical modules, such as multimode dual fiber, single-mode dual fiber, and single-mode single fiber. The media converter adopts the enterprise-class Taiwan Realtek company's carrier-grade chip solution, which has stable performance, good quality and high cost performance. It is suitable for optical fiber access application scenarios such as security monitoring, wireless coverage, intelligent transportation, and safe cities to form a cost-effective and stable communication network. Unmanaged model, plug and play, no configuration, easy to use.

Specification

Model	SG1110-MCX-O	SG1110-SCX-O	SG1110S-SCX-O
Interface Characteristics			
Interface	1* 10/100/1000Base-TX port (Data) 1*1000 Base FX SC/LC fiber port (Data)		
Ethernet Port			
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meter) 100BASE-TX: Cat5 or later UTP(≤100 meter) 1000BASE-T: Cat5e or later UTP(≤100 meter)		
Optical Fiber Port	1.25Gbps, multimode dual fiber SC interface	1.25Gbps, single-mode dual fiber SC interface	1.25Gbps, single-mode single fiber SC interface
Optical Cable/Distance	multimode: 850nm / 0 ~ 500m, 1310nm / 0 ~ 2Km; single mode: 1310nm / 10,20,40 km, 1550nm / 10,20,40,80,120 km.		

Chip Parameter	
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX , IEEE802.3ab 1000Base-T IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	2.0Gbps
Forwarding Rate@64byte	3.0Mpps
MAC	2K
Buffer Memory	1M
Jumbo Frame	1632byte
LED Indicator	PWR, 1000, TX (LNK/ACT), FX (LNK/ACT) Power: PWR (green), ON/OFF, Data: L/A (green); ON/OFF/Blink, Single/duplex: FDX (green), ON/OFF, rate: 100/1000 (green) ,ON/OFF
Power	
Total PWR / Input Voltage,A	3.5W / 5VDC(2A)
Power Consumption	Standby<1W,Full Load<4W
Physical Parameter	
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension (L*W*H)	94*71*26mm
Net /Gross Weight	<0.3kg / <0.5kg
Installation	Desktop, 2U-14 slot rack
Certification & Warranty	
Lightning protection / protection level	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC;CE mark, commercial; CE/LVD EN60950;FCC Part 15 Class B; RoHS
Warranty	3 years, lifelong maintenance.



