

# SG-0110S-SCX

10/100 Mbps Single Fiber Media Converter



## Features

- 1 x 10/100Base-TX, RJ45 port (Support Full/Half duplex operations)
- 1 x 100Base-FX with SC simplex Auto MDI/MDI-X on RJ45
- Extends distance for Fast Ethernet network up to 20km with single-mode under full duplex
- Support packet size up to 9KB
- Support non-blocking wire-speed forwarding
- Support full-duplex/half-duplex working mode with auto-negotiation (NWay or auto-sensing) function
- Plug and play, no configuration required, centralized power supply and centralized connection management through 2U-14 slot rack
- Support WDM (Wavelength-division Multiplexing)
- LED working status indication for network diagnosis

## Application

Model	SG0110-MCX-O	SG0110-SCX-O	SG0110S-SCX-O-A/B
<b>Interface Characteristics</b>			
Interface	1* 10/100Base-TX RJ45 port (Data) 1*155M uplink SC fiber port (Data)		
Ethernet Port	10/100Base-TX, auto-sensing, Full/half duplex MDI/MDI-X self-adaption		
Twisted Pair	10BASE-T: Cat3,4,5 UTP(≤100 meter)		
Transmission	100BASE-TX: Cat5 or later UTP(≤100 meter)		
Optical Fiber Port	155Mbps, multimode dual fiber SC interface ,1310/1550 nm	155Mbps, single-mode dual fiber SC interface ,1310/1550 nm	155Mbps, single-mode single fiber SC interface ,1310/1550 nm
Optical Characteristic	Optical Receiver Sensitivity: -32 dBm Optical Output Power: -15 to -8 dBm		
<b>Chip Parameter</b>			
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX IEEE802.3x		
Forwarding Mode	Store and Forward(Full Wire Speed)		
Switching Capacity	1.0Gbps		
Forwarding Rate@64byte	0.3Mpps		
MAC	1K		

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Buffer Memory	768K
Jumbo Frame	1536byte
LED Indicator	Power: PWR (green), Data: LINK/ACT (green), Single/duplex: FX (green), RJ45 :TX(green), rate: 10/100 (green)
<b>Power</b>	
Total PWR / Input Voltage	3W/ (5VDC)
Power Consumption	Standby<1W,Full Load<3W
<b>Physical Parameter</b>	
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	<0.2kg / <0.4kg
Installation	Desktop, 2U-14 slot rack
<b>Certification &amp; Warranty</b>	
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.