ADD-IFMC-LX-3SC

10/100Base-TX(RJ-45) to 100Base-LX(SC) SMF 1310nm 30km Rugged Media Converter

Features

- 1x10/100Base-TX RJ45 ports, 1x100Base-FX ports,
- Support Auto-MDIX, and full/half duplex self-negotiation mode
- Provides SC/FC/ST/LC interface fiber port and supports single/dual fiber transmission
- Supports 16K bytes giant frame, compatible with various extension protocols
- 2K MAC address table
- Supports IEEE802.3az energy efficient Ethernet technology
- Supports IPv6 Protocol
- Electric 4KV surge protection, easy to use in outdoor environment
- Complete status indicator shows working state at a glance
- Power input polarity protection design, no worry about wrong operation
- Metal case, no fan design
- Installation method: DIN trail /Wall mounting

Product Description

This is an industrial media converter that converts 1Port 10/100Base-TX and 1Port 100Base-FX via 1310nm single-mode fiber (SMF) SC, with a maximum distance reach of 30km. This provides a cost-effective conversion from 10/100Base-TX(RJ-45) to 100Base-LX(SC), while extending the network reach beyond the 100m reach limitation of copper. It can also operate either at standard operating temperature range -40°C to 85°C. Housed in rugged DIN rail or wall mountable IP40 enclosures, It is the perfect choice for harsh environments, such as industrial networking, intelligent transportation systems (ITS) and is also suitable for many military and utility market applications where environmental conditions exceed commercial product specifications. Our media converters and network interface cards are 100% compliant for all of our networking needs. Now you have a cost-effective solution to your network upgrade needs.
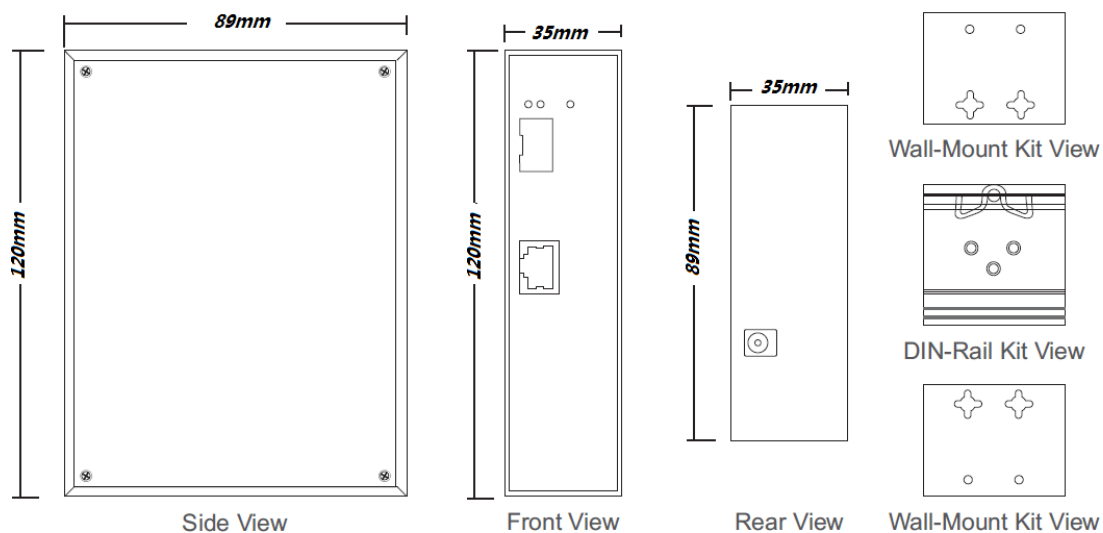
General Specifications

Physical Port	
RJ-45 - Port and Speed	1x10/100Base-TX
Fiber - Port and Speed	1x100Base-FX
Parameters	
Ethernet Standards	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.3az IEEE802.3Qad IEEE802.3ah IEEE802.1X IEEE802.1Q IEEE1588
Packet Buffer	1Mbits
Maximum Packet Length	Up to 1532Bytes
MAC Address Table	2K
Transmission Mode	Store and Forward (Full/Half Duplex Mode)
Exchange Property	Delay Time: <7µs Backplane Bandwidth: 1Gbps Packet Forwarding Rate: 148810 (64Bytes)
LED Indicator	
Power	Connect-Always
RJ-45	Link/Act: Connect-Always; Data Exchange-Twinkle Speed Light: 100Mbps-Always; 10Mbps-Twinkle
Fiber	Link/Act: Connect-Always; Data Exchange-Twinkle
Power Information	
Power Access Mode	Phoenix Terminal, DC Seat
Redundant Power Input	DC 9-56V
Physical Property	
Protection Grade	IP40 Aluminum Case
Cooling Mode	Natural Cooling, No Fan Design
Dimensions	120mm x 89mm x 35mm (L x W x H)
Installation Mode	DIN Trail/Wall-Mountable
Weight	400g
Working Environment	
Operating Temperature	-40℃ to 85℃
Operating Humidity	5-90% (Non-Condensing)
Storage Temperature	-40℃ to 85℃
Certification Standard	
EMI	FCC Part15 Subpart B Class A, EN 55022 Class A
EMS	EN61000-4-2(ESD), EN61000-4-3(RS), EN61000-4-4(EFT), EN61000-4-5(Surge), EN61000-4-6(CS), EN61000-4-8, EN61000-4-11
Collision	IEC60068-2-27
Drop	IEC60068-2-32
Vibration	IEC60068-2-6
Safety Grade	EN60950-1

Application

Mechanical Specifications

Side View

Front View

Rear View

Wall-Mount Kit View

Wall-Mount Kit View

DIN-Rail Kit View

About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is in engrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications from ranging from NEBS Level 3 to ISO 9001:2005 with every new development while maintaining the signature reliability of its products.

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