

Mini Industrial 10G/5G/2.5G/1G/100M Copper to 10GBASE-X SFP+ Media Converter

Features

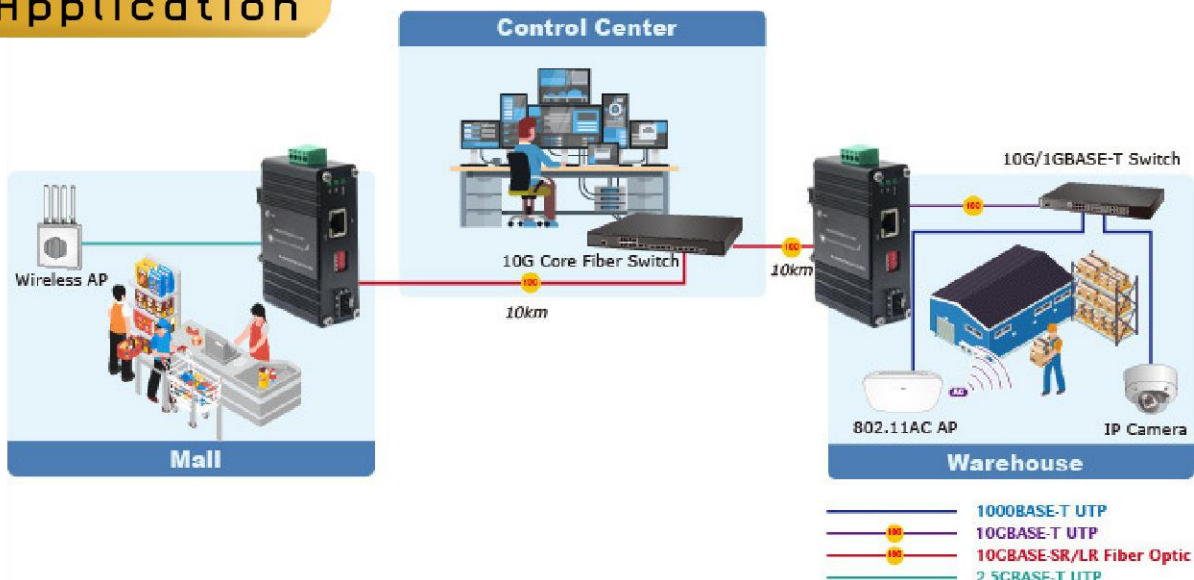
- ▶ 100/1G/2.5G/5G/10G BASE-T RJ45 interface with auto MDI/MDI-X function, 10GBASE-X SFP+ slot interface
- ▶ IEEE 802.3u/802.3ab/802.3bz/802.3ae Ethernet standard compliant
- ▶ Supports auto-negotiation 100Mbps, 1Gbps half/full duplex and 2.5/5/10Gbps full duplex mode
- ▶ IEEE 802.3az Energy Efficient Ethernet (EEE) compliant
- ▶ Extensive LED indicators for network diagnostics
- ▶ 12~48VDC Terminal Block Power Input
- ▶ Supports DIN-Rail & Wall-mount installation
- ▶ Environmentally hardened -40°C to 75°C (-40°F to 167°F) operating temperature



Overview

LNK-IMC10G-SFP+ is the smallest Industrial-grade 10G Ethernet Media Converter providing non-blocking wire-speed performance and great flexibility for 10 Gigabit Ethernet extension in harsh industrial environment. It is equipped with one 100Mbps, 1Gbps, 2.5Gbps, 5Gbps and 10GBASE-T RJ45 copper interface and one 10GBASE-X SFP+ fiber optic interface delivered in an IP40 rugged but compact-sized case with redundant power system. The LNK-IMC10G-SFP+ is ideal for wide applications from copper to fiber media conversion wherever 10Gigabit bandwidth is required in climatically demanding environments with wide temperature ranging from -40 to 80 degrees C.

Application



Technical Indexes

Ethernet	
Standards:	IEEE 802.3u 100BASE-TX
	IEEE 802.3ab 1000BASE-T
	IEEE 802.3bz 2.5G/5GBASE-T
	IEEE 802.3an 10GBASE-T
	IEEE 802.3ae 10Gbps Ethernet
	IEEE 802.3x full-duplex flow control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
Forward & Filtering Rate:	100Mbps
	1000Mbps
	2.5Gbps
	5Gbps
	10Gbps
Network Cables:	10G/5G/2.5G/1G/100M BASE-T: 10G – Cat 6A/7 5G – Cat 6/6A/7 1G/2.5G – Cat 5e/6/6A/7 100M – Cat 5/5e/6/6A/7 Cat 5/5e/6/6A/7 UTP cable (100 meters, max.) EIA/TIA-568 100-ohm STP (100 meters, max.)
	10GBASE-LR/SR/BX: 50/125µm or 62.5/125µm multi-mode fiber optic cable, up to 300m 9/125µm single-mode fiber optic cable, up to 80km
Processing Type:	Store-and-Forward
Fabric:	20Gbps
Jumbo Frame:	16K
Address Table:	9K entries, automatic source address learning and aging
Interface	
Connector:	1 x RJ45
Optical Port:	1 x SFP+
Environmental	
Operating Temperature:	-40°C to 80°C (-40°F to 176°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs
Electrical and Mechanical	
Input Power:	12~48VDC, Redundant Power (4-pin Terminal Block)
Power Consumption:	5W Max
Protection:	
Power Input Overload:	Automatic Resettable

Reverse Polarity:	Present			
DIP Switch				
4-digit DIP switch function 	DIP	Function	Settings	
	SW 1	Reserved	ON - Reserved	OFF - Reserved
	SW 2	Reserved	ON - Reserved	OFF - Reserved
	SW 3	Reserved	ON - Reserved	OFF - Reserved
	SW 4	Reserved	ON - Reserved	OFF - Reserved
Note: DIP Switch's function can be customized based on client's requirements.				
LED Indicators:				
PWR:	Power Status			
L/A:	Link/Activity at Ethernet Port			
TP:	Ethernet Status			
FX:	SFP+ Fiber Port Status			
Dimensions (WxDxH):	95 x 70 x 30 mm			
Weight:	0.25Kg			
Casing:	Aluminum Case			
Mounting Options:	DIN-Rail/Wall-mount			
Regulatory Approvals				
ISO9001, CE, RoHS, FCC				
EN55022:2010+AC: 2011, Class A				
EN 61000-3-2: 2006+A1: 2009+A2: 2009				
EN 61000-3-3: 2013				
EN55024:2010				
IEC 61000-4-2: 2008 (ESD)				
IEC 61000-4-3: 2010 (RS)				
IEC 61000-4-4: 2012 (EFT)				
IEC 61000-4-5: 2014 (Surge)				
IEC 61000-4-6: 2013 (CS)				
IEC 61000-4-8: 2009 (PFMF)				

Ordering Information

Model	Description
LNK-IMC10G-SFP+	Mini Industrial 10G/5G/2.5G/1G/100M Copper to 10GBASE-X SFP+ Media Converter
SFP Options	► SFP+ option. Please select your SFP+ on our SFP+ Options Page (Industrial SFP).
	► SFP+ module is to be purchased separately.
Mounting Options	► Default DIN-Rail Bracket installed; Wall Mount Bracket is included.
Power Options	► 24W/1A 24VDC Power Supply. Open Wire for Terminal Block
	► Default DIN-Rail Bracket installed; Wall Mount Bracket is included.
	► Power Supply is to be purchased separately.