Mini Industrial 3-Port 10/100/1000T 802.3at PoE + 1-Port 100/1000X SFP Ethernet Switch with 12~48VDC Input and Voltage Booster

Features

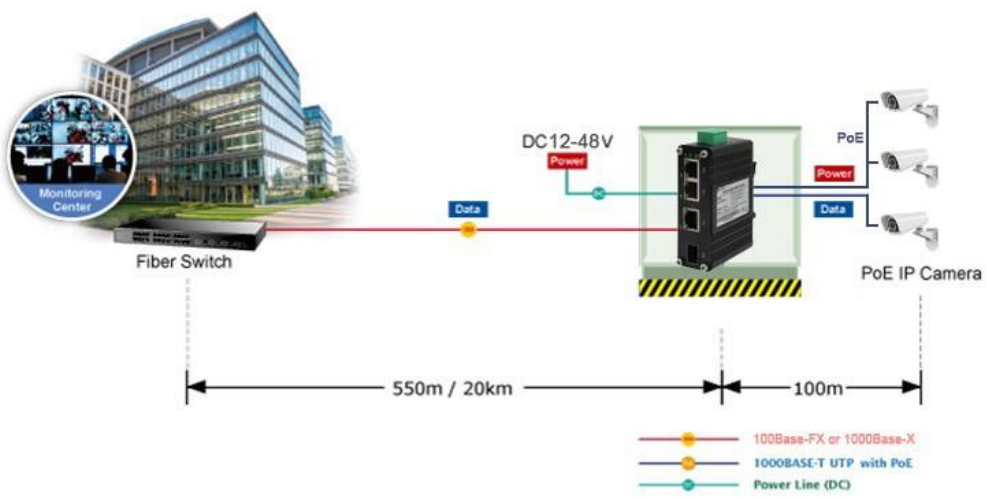
- 3 10/100/1000BASET RJ45 auto-MDI/MDI-X ports with IEEE 802.3at PoE+ Injector (Port-1 to Port-3)
- 1 SFP Port, 100Base-FX or 1000Base-X dual mode (auto detection)
- 12~48VDC wide range power input with power booster function
- Up to 90W PoE budget (48VDC), 90W PoE budget (24VDC), 60W PoE budget (12VDC)
- Supports Full/Half-duplex, Auto-negotiation
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- IP40 Aluminum Case
- Supports DIN-Rail & Wall-mount installation
- Environmentally hardened -40°C to 75°C (-40°F to 167°F) operating temperature



Overview

LNK-IMC103GP-SFP Series is a Mini Industrial 3-Port 10/100/1000T 802.3at PoE + 1-Port 100/1000X SFP Gigabit Ethernet Switch with 12~48VDC Input and Voltage Booster. This unmanaged industrial solar power PoE switch is designed to match the critical industrial standards. With reliable and simple operation against vibration and shock, and wide operation temperature range, it could match a variety of harsh environment. The switch complies with CE and FCC standards, and passed the 100% burning test to ensure that it will fulfill the needs of industrial applications. It is a good choice for an economical solution for industrial Ethernet connections.

Application



Technical Indexes

Ethernet	
Standards:	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3ab 1000Base-T
	IEEE802.3z 1000Base-X
	IEEE 802.3x Full-Duplex Flow Control
	IEEE 802.3az Energy Efficient Ethernet (EEE)
Processing Type:	Store-and-Forward
Forward Filter Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Packet Buffer Memory:	4 Mbit
Switch Fabric:	12Gbps
Max Packet Length:	9K Bytes
Address Table Size	2K MAC Addresses
Interface	
Connector:	3 x RJ45 with 802.3at PoE+ injector function (Ports 1 to 3)
Optical Port:	1 x SFP 1000Base-X or 100Base-FX (auto detection)
PoE (Power over Ethernet)	
Standard:	IEEE 802.3at Power over Ethernet Plus
	IEEE 802.3af Power over Ethernet
Port:	RJ45
Power Pin Assignment	4/5(+), 7/8(-)
PoE Budget:	Up to 90-watt PoE budget (48VDC), 90-watt PoE budget (24VDC), 60-watt PoE budget (12VDC)
Electrical and Mechanical	
Input Power:	12~48VDC, 2-pin terminal block
Power Consumption:	<95W (Non-PoE<6W)
LED Indicators:	
PWR:	Power Status
L/A:	Ethernet LINK Status
FX:	Fiber LINK Status
PoE:	PoE Status
Dimensions (WxDxH):	95 x 70 x 30 mm
Weight:	0.3Kg
Casing:	Aluminum Case
Mounting Options:	DIN-Rail / Wall-mount
Environmental	
Operating Temperature:	-40°C to 75°C (-40°F to 167°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	5% to 95% non-condensing
MTBF	> 200,000 hrs
Regulatory Approvals	

ISO9001, CE, FCC, RoHS
EMI: EN55022:2010+AC: 2011, Class A EN 61000-3-2: 2006+A1: 2009+A2: 2009 EN 61000-3-3: 2013 EN55024: 2010
EMS: 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
ZP-IMC103GP-SFP	Mini Industrial 3-Port 10/100/1000T 802.3at PoE + 1-Port 100/1000X SFP Ethernet Switch with 12~48VDC Input and Voltage Booster
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	► 12~48VDC Power Supply. Open Wire for Terminal Block
	► Power Supply is to be purchased separately.