

## Features

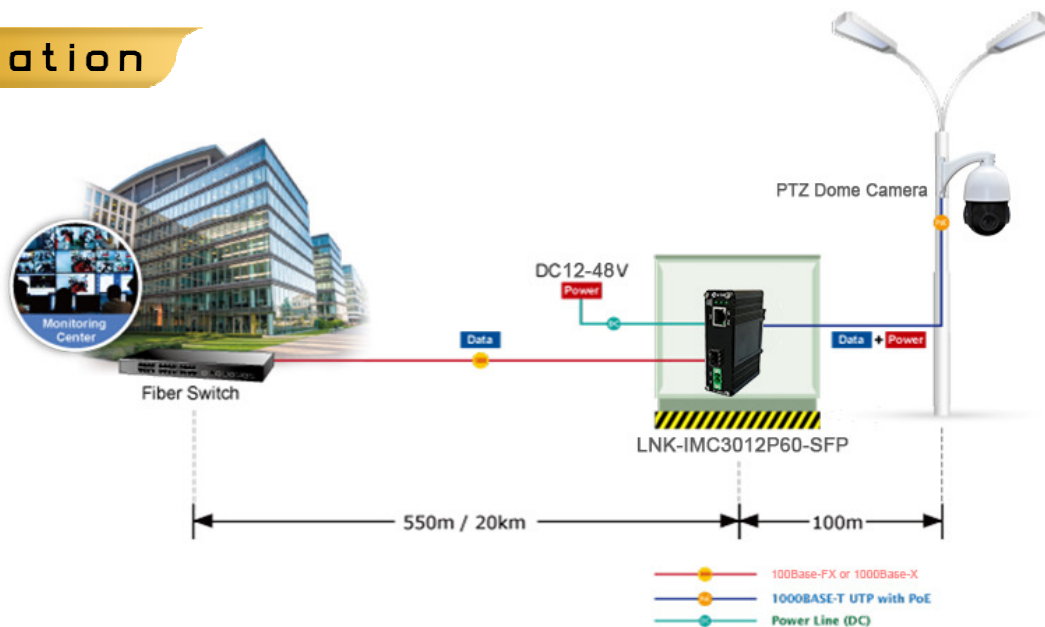
- ▶ 1-port 10/100/1000BASE-T RJ45 with auto MDI / MDI-X function
- ▶ **1 SFP Port, 100Base-FX or 1000Base-X dual mode** (auto detection)
- ▶ IEEE802.3af/at compliant
- ▶ Up to 60W of power over 4-pairs
- ▶ Supports Link Fault Pass Through
- ▶ Supports Full/Half-duplex, Auto-negotiation
- ▶ 9K Bytes Jumbo Frame
- ▶ **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

20101871 is a DIN rail type media converter that supports external SFP Modules and meets EN55022 standard. The Ethernet port support high power PoE (Power Sourcing Equipment) which complies with IEEE802.3at standard. It is a hardened grade product whose operating temperature range is -40° C to +75° C. 20101871 supports 10/100/1000Base-T with 60W PoE++ and 100/1000Base-X SFP Port. The Ethernet port supports both half-duplex and full-duplex mode. Users can use different type of SFP modules (single-mode/multi-mode fiber, 1/2 core) as needed.

## Application



<b>Ethernet</b>	
Standards:	IEEE802.3 10Base-T
	IEEE802.3u 100Base-TX/FX
	IEEE802.3ab 1000Base-T
	IEEE802.3z 1000Base-X
	IEEE802.3af Power over Ethernet
	IEEE802.3at Power over Ethernet
Processing Type:	Store-and-Forward
Forward Filter Rate:	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Packet Buffer Memory:	1 Mbit
Max Packet Length:	9K Bytes
Address Table Size	2048K MAC Addresses
<b>Interface</b>	
Connector:	1x RJ45
Optical Port:	1 x SFP 1000Base-X or 100Base-FX (auto detection)
<b>Electrical and Mechanical</b>	
Input Power:	12~48VDC, 2-pin terminal block
Power Consumption:	65W Max.
LED Indicators:	
PWR:	Power Status
PoE:	PD Plug Status
RJ45:	LINK/Activity
SFP:	LINK
Dimensions (WxDxH):	95 x 70 x 30 mm
Weight:	0.25Kg
Casing:	Aluminum Case
Mounting Options:	DIN-Rail / Wall-mount
<b>Environmental</b>	
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
<b>Regulatory Approvals</b>	
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
20101871	Hardened 10/1001000BASE-TX to 100/1000BASE-X SFP Ethernet Media Converter with 60W PoE++
SFP Options	<ul style="list-style-type: none"><li>▶ SFP option. Please select your SFP on our SFP Options Page (Industrial SFP).</li><li>▶ SFP module is to be purchased separately.</li></ul>
Mounting Options	<ul style="list-style-type: none"><li>▶ Default DIN-Rail Bracket installed, Wall Mount Bracket is included.</li></ul>
Power Options	<ul style="list-style-type: none"><li>▶ 75W/1.6A 48VDC Power Supply. Open Wire for Terminal Block</li><li>▶ Power Supply is to be purchased separately.</li></ul>