

## Mini Industrial 10/100/1000Base-T to 100/1000Base-X SFP Ethernet Media Converter

### Features

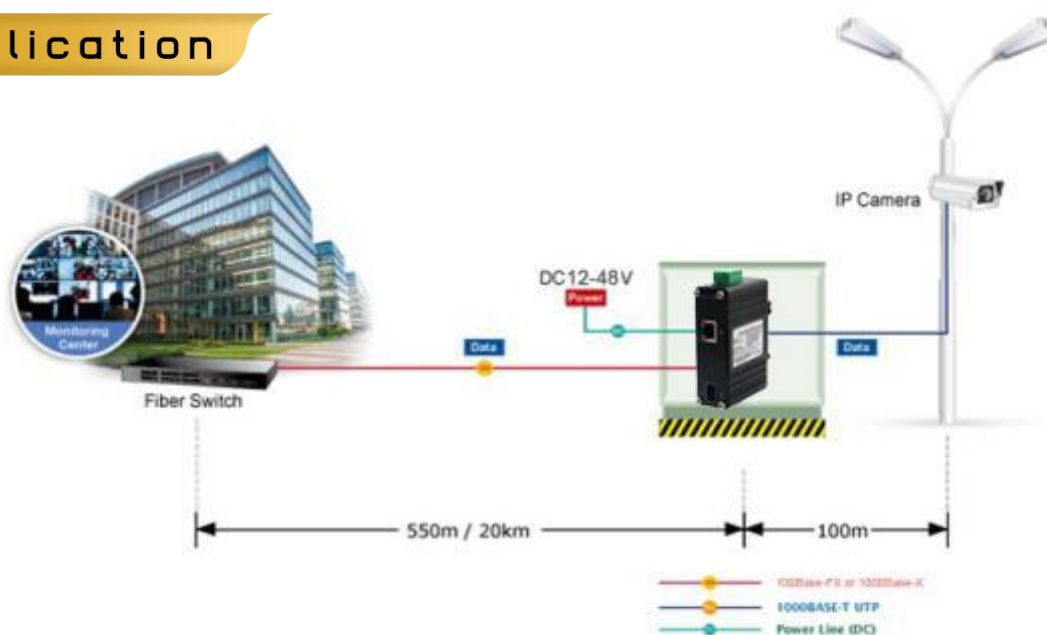
- ▶ 1-port 10/100/1000BASE-T RJ45 with auto MDI / MDI-X function
- ▶ 1 SFP Port, 100Base-FX or 1000Base-X dual mode (auto detection)
- ▶ Supports Full/Half-duplex, Auto-negotiation
- ▶ IEEE 802.3az Energy Efficient Ethernet (EEE) compliant
- ▶ Extensive LED indicators for network diagnostics
- ▶ 12~48VDC 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-IMC3012-SFP is a DIN rail type media converter that supports external SFP Modules and meets EN55022 standard. It is a hardened grade product whose operating temperature range is -40 ° C to +75 ° C. LNK-IMC3012-SFP supports 10/100/1000Base-T 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



## Technical Indexes

|                                      |                                                   |
|--------------------------------------|---------------------------------------------------|
| <b>Ethernet</b>                      |                                                   |
| Standards:                           | IEEE802.3 10Base-T                                |
|                                      | IEEE802.3u 100Base-TX/FX                          |
|                                      | IEEE802.3ab 1000Base-T                            |
|                                      | IEEE802.3z 1000Base-X                             |
|                                      | 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:                | 1 Mbit                                            |
| Max Packet Length:                   | 9K Bytes                                          |
| Address Table Size                   | 2K 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, 4-pin terminal block                    |
| Power Consumption:                   | 3W Max.                                           |
| LED Indicators:                      |                                                   |
| PWR:                                 | Power Status                                      |
| L/A:                                 | Data LINK Status                                  |
| SPD:                                 | Ethernet Status                                   |
| 100M/1000M:                          | Fiber LINK Status                                 |
| 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                                                                    |
|------------------|--------------------------------------------------------------------------------|
| LNK-IMC3012-SFP  | Hardened 10/100/1000BASE-TX to 100/1000BASE-X SFP Ethernet 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                      |
|                  | ► Power Supply is to be purchased separately.                                  |