

IMC-610

10G Stand Alone Hardened Ethernet Media Converter



Features

- Provide 1xRJ45 to 1xSFP/SFP+ fiber port
- Copper port interface support 10G/5G/2.5G/1G/100M BASE-T
- Copper port provide full/half duplex flow control
- Support store and forward transmission
- Support MDI/MDI-X, auto-negotiation
- Support AC/DC power input dual mode power input
- Provide flexible mounting: DIN-Rail and panel mount
- Link Fault Pass-Through (LFPT) for troubling shooting
- Fiber port distance from 400m up to 80km

Introduction

IMC-610 SFP+ 10G Medial Converter is equipped with one 10G/5G/2.5G/1G/100M BASE-T auto-negotiation port and one 10GBASE-X SFP+ Slot. It supports 10Gigabit Ethernet media converter from copper 10GBASE-T to fiber multi-mode or single-mode, utilizing 10BASE-SR or 10GBASE-LR SFP+ transceiver installed in the SFP+ slot to extend distances to servers, switches and patch panels, which supports the transmission distance from 400m up to 80km to facilitate 10G equipment and devices deployment.

Specifications

Communications

- **Standard**
 - IEEE 802.3u 100BASE-TX
 - IEEE 802.3ab 1000BASE-T
 - IEEE 802.3bz 2.5G/5GBASE-T
 - IEEE 802.3ae 10Gbps Ethernet
 - IEEE 802.3x full-duplex flow control
- **LAN**
 - 10G/5G/2.5G/1G/100BASE-T
- **Jumbo Frame**
 - 16Kbytes
- **Network Cable**
 - 10G/5G/2.5G/1G/100M BASE-T
 - 10G – Cat 6A/ Cat 7
 - 5G – Cat 6/ Cat 6A/ Cat 7
 - 1G/2.5G- Cat 5e/Cat 6 /Cat 6A / Cat 7
 - 100M- Cat 5e or above
 - 10GBASE-SR/LR/ER/ZR
 - 50/125μm or 62.5/125μm , multi-mode fiber optic cable, up to 400m
 - 9/125μm single-mode fiber optic cable, up to 80km

Interface

- **Connectors**
 - 1 x RJ45
 - 1 x SFP+ port
 - 1 x 4-pin terminal block
 - 1 x DC power jack
- **LED Indicators**
 - Copper 10G(Green) , 1G (Orange)
 - SFP 10G(Green)

Power

- **DC Power Input**
 - 12/24/48V (7-50V_{DC})
- **AC Power Input**
 - 100 - 240V_{AC}, 50-60Hz, 0.48A
- **Power Consumption**
 - AC Max.: 5W
 - DC Max.: 4W

Mechanism

- **Dimensions (W x H x D)** 109.2 x 22.9 x 101.6 mm (4.3" x 0.9" x 4")

Environment

- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F) (AC Power Input)
-20 ~ 60°C (-4 ~ 140°F) (DC Power Input)
- **Storage Temperature** -40 ~ 85°C (-40 ~ 185°F)
- **Operating Humidity** 5 ~ 95% (non-condensing)
- **Storage Humidity** 0 ~ 95% (non-condensing)
- **Weight** 0.35 kgw

Certification

- **EMI** CE , FCC Class A
- **EMS** EN61000-4-2
EN61000-4-3
EN61000-4-4
EN61000-4-5
EN61000-4-6
EN61000-4-8
EN61000-4-11
- **Shock** IEC 60068-2-27
- **Freefall** IEC 60068-2-32
- **Vibration** IEC 60068-2-6

Unit: mm [inch]

Panel Cut-out Dimensions: 109.2 x 22.9 x 101.6 mm (4.3" x 0.9" x 4.0")