

IMC-2M

Managed 10/100/1000Base-T to 100/1000Base-X SFP GbE converter

Description:

The **IMC-2M** series is a family of Web Smart OAM/IP-managed Gigabit Ethernet switches and converters that support 10/100/1000Base-T to 100/1000Base-X fiber Ethernet connections. Using a Web browser, the in-band network allows for easy control and configuration of each Ethernet port.

The **IMC-2M** Ethernet switch/converter offers SFP-SC fiber cabling connectors, with both single-mode and multi-mode models available, including Bi-Di models that enable bi-directional transmission using a single fiber cable. Auto-negotiation is supported for both half-duplex and full-duplex signals in accordance with IEEE 802.3u standards. The switch is equipped with LED indicators to signal the power status of the switch, UTP port speed, link and duplex status, and FX port link and duplex status.



IMC-2M

Features:

- 10/100/1000Base-T to 100/1000Base-X SFP Ethernet Switch
- Auto-Cross over for MDI/MDIX in TP port
- Auto-Negotiation or Manual mode in TP port
- Supports flow control Enable or Disable
- Supports Jumbo Frame 16K Packet
- Ingress/Egress Bandwidth control
- Supports IEEE 802.3ah OAM management
- Supports SNMPv1
- Digital Diagnostic (DOM) SFP Support
- Supports Store-and-Forward Switching
- Dying gasp (remote power failure detection)
- Supports Link Fault Pass-Through (LFPT) Function
- Supports Auto Laser Shutdown (ALS) Function
- USB console port and Web management
- Supports On-Line F/W upgrade (local) by the Web manager
- Supports 16 Tag VLAN Groups
- RMON counters
- Wall and DIN rail Mountable

Technical specifications:

Standards	IEEE 802.3, IEEE 802.3u IEEE 802.3ab, 802.3z, 802.1Q	
RJ-45 interface	10/100/1000Base-T, Half/Full duplex,	
	Data rate: 10 Mbps, 100 Mbps, 1000 Mbps	
	Cable	10Base-T Cat.3, 4, 5, UTP 100Base-TX cat.5, 5e or higher
Optical interface¹	100/1000Base-X	Duplex SC, SFP
	Data rate	125/1250 Mbps
Jumbo Frame	16K Bytes	
Fiber parameters	Multimode:	50/125 µm, 62.5/125 µm, Single mode: 9/125 µm
	Wavelength:	1310 nm – Multimode/Single mode 1310Tx/1550Rx (Type A) - WDM 1550Tx/1310Rx (Type B) - WDM
	Available distance:	500 m, 2 km (Multi mode) 20/40 km (Single mode)
	SFP, Distance depends on plug-in Fiber Transceiver	
Link Fault Pass through (LFPT)	TX-- Fiber: If TX port link down, the media converter will force Fiber port to link down Fiber--TX: If Fiber port link down, the media converter will force TX port to link down	

LED indications	Power, FX-Link, LAN Speed, LAN Link
Power Input	DC 12 V
Power Consumption	< 3W
Operating Humidity	10 - 90% non-condensing
Operating Temperature	0°C to +50°C
Storage Temperature	-10°C to +70°C
Dimension (WxDxH)	96.5×23×73.4 mm
Weight	120 g
Installation	Desk top or Wall Mounting (optional)
EMC Certification	FCC, CE
MTBF	>65 000 hrs

Note: 1) Optical interface – 100/1000 Mbps in case of dual rate SFP

Ordering Code:

IMC-2M-SFP	10/100/1000Base-T to SFP slot (according to the ACT_30-12_EN-SFP-125G datasheet)
IMC-2M-SC001	10/100/1000Base-T to 1000Base-FX DSC 550 m 850 nm
IMC-2M-SC002	10/100/1000Base-T to 1000Base-FX SC 2 km 1310 nm
IMC-2M-SC020	10/100/1000Base-T to 1000Base-FX SC 20 km 1310 nm
IMC-2M-SC040	10/100/1000Base-T to 1000Base-FX SC 40 km
IMC-2M-SC020A	10/100/1000Base-T to 1000Base-FX SC 20 km Tx1310nm / Rx1550nm WDM (A type)
IMC-2M-SC020B	10/100/1000Base-T to 1000Base-FX SC 20 km Tx1550nm / Rx1310nm WDM (B type)
IMC-2M-SC040A	10/100/1000Base-T to 1000Base-FX SC 40 km Tx1310nm / Rx1550nm WDM (A type)
IMC-2M-SC040B	10/100/1000Base-T to 1000Base-FX SC 40 km Tx1550nm / Rx1310nm WDM (B type)

Optional Accessory:

Model Name	Description
CMK01	Single unit wall mounting kit
DRK01	Single unit DIN rail mounting kit

