

IM Series

2-port Gigabit Ethernet and 4-port fast Ethernet interface modules for EDS-728/828 series switches

Specifications

Gigabit Ethernet Interface Modules, IM-2G series



IM-2GTX

IM-2GSFP

Fiber Ports: 1000BaseSX/LX/LHX/ZX (SFP slot, LC connector)

* Please see page 3-33 for the product information of SFP-1G series Gigabit Ethernet SFP modules.

Power Requirements

Power Consumption: IM-2GTX: 2.96W

IM-2GSFP: 3.042W

Physical Characteristics

Dimensions (W x H x D): 24 x 66 x 101 mm (0.94 x 2.60 x 3.98 in.)

Weight: IM-2GTX: 150 g

IM-2GSFP: 148 g

Interface

LED Indicators: Port status

RJ45 Ports: 10/100/1000BaseT(X) auto negotiation speed, and auto MDI/MDI-X connection

Fast Ethernet Interface Modules, IM series



IM-4TX

IM-2MSC/2TX
IM-2SSC/2TX

IM-2MST/2TX

IM-1LSC/3TX

IM-4MSC
IM-4SSC

IM-4MST

Interface

LED Indicators: PWR, P1, P2, P3, P4 port status

RJ45 Ports: 10/100BaseT(X) auto negotiation speed, F/H duplex mode, and auto MDI/MDI-X connection

Fiber Ports: 100BaseFX ports (SC/ST connector)

Optical Fiber

	100BaseFX		
	Multi Mode	Single Mode	Single Mode, 80 km
Wavelength	1300 nm	1310 nm	1550 nm
Max. TX	-10 dBm	0 dBm	0 dBm
Min. TX	-20 dBm	-5 dBm	-5 dBm
RX Sensitivity	-32 dBm	-34 dBm	-34 dBm
Link Budget	12 dB	29 dB	29 dB
Typical Distance	5 km ^a 4 km ^b	40 km ^c	80 km ^d
Saturation	-6 dBm	-3 dBm	-3 dBm

a. 50/125 μm, 800 MHz*km fiber optic cable

b. 62.5/125 μm, 500 MHz*km fiber optic cable

c. 9/125 μm, 3.5 PS/(nm*km) fiber optic cable

d. 9/125 μm, 19 PS/(nm*km) fiber optic cable

Power Requirements

Power Consumption:

IM-4TX: 2.5W

IM-2MSC/2TX: 5W

IM-2MST/2TX: 5W

IM-2SSC/2TX: 5W

IM-4MSC: 7.2W

IM-4MST: 7.2W

IM-4SSC: 7.2W

IM-1LSC/3TX: 4W

Physical Characteristics

Housing: IP30 protection

Dimensions (W x H x D): 40 x 127.8 x 100 mm (1.54 x 5.12 x 3.94 in.)

Weight (Gross Weight):

IM-4TX: 215 g

IM-2MSC/2TX: 245 g

IM-2MST/2TX: 250 g

IM-2SSC/2TX: 245 g

IM-1LSC/3TX: 235 g

IM-4MSC: 250 g

IM-4MST: 270 g

IM-4SSC: 270 g

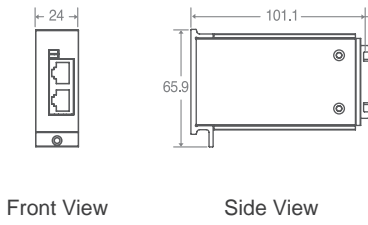
MTBF

620,000 hrs

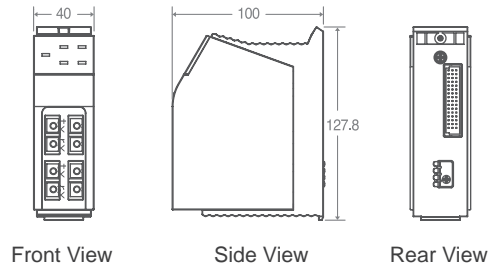
Database: MIL-HDBK-217F, GB 25°C

Dimensions (unit = mm)

Gigabit Ethernet Interface Modules



Fast Ethernet Interface Modules



Ordering Information

Model Name	Port Interface						
	Gigabit Ethernet		Fast Ethernet				
	10/100/1000BaseT(X)	1000BaseSFP	10/100BaseT(X)	100BaseFX			
MultiMode, SC Connector				Multi Mode, ST Connector	Single Mode, SC Connector	Single Mode, SC Connector, 80 km	
IM-2G Series							
IM-2GTX	2	---	---	---	---	---	---
IM-2GSFP	---	2	---	---	---	---	---
IM Series							
IM-4TX	---	---	4	---	---	---	---
IM-4MSC	---	---	---	4	---	---	---
IM-4MST	---	---	---	---	4	---	---
IM-2MSC/2TX	---	---	2	2	---	---	---
IM-2MST/2TX	---	---	2	---	2	---	---
IM-4SSC	---	---	---	---	---	4	---
IM-2SSC/2TX	---	---	2	---	---	2	---
IM-1LSC/3TX	---	---	3	---	---	---	1

NOTE: Please see page 3-33 for the product information of SFP-1G series Gigabit Ethernet SFP modules.