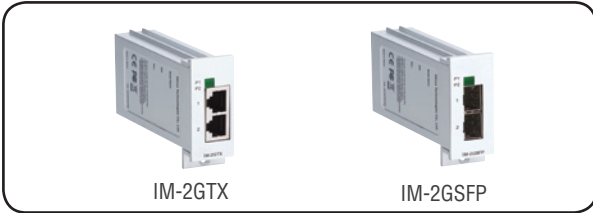


# IM Series

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

### Specifications

#### Gigabit Ethernet Interface Modules, IM-2G Series



IM-2GTX

IM-2GSFP

#### Interface

**Fiber Ports:** 1000BaseSFP slot

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

**LED Indicators:** Port status

Note: Please see page 3-45 for product information related to the SFP-1G series of Gigabit Ethernet SFP modules.

#### Power Requirements

**Power Consumption:**

IM-2GTX: 2.96 W

IM-2GSFP: 3.04 W

#### Physical Characteristics

**Dimensions:** 24 x 65.9 x 101.1 mm (0.94 x 2.59 x 3.98 in)

**Weight:**

IM-2GTX: 150 g

IM-2GSFP: 148 g

#### 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

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

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

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

#### 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 <sup>a</sup> 4 km <sup>b</sup>	40 km <sup>c</sup>	80 km <sup>d</sup>
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 single-mode fiber optic cable

d. 9/125 μm single-mode fiber optic cable (80 km)

#### Power Requirements

**Power Consumption:**

IM-4TX: 1.52 W

IM-2MSC/2TX: 2.43 W

IM-2MST/2TX: 2.43 W

IM-2SSC/2TX: 2.43 W

IM-1LSC/3TX: 2.5 W

IM-4MSC: 6.6 W

IM-4MST: 6.6 W

IM-4SSC: 6.6 W

#### Physical Characteristics

**Housing:** IP30 protection

**Dimensions:** 40 x 127.8 x 100 mm (1.57 x 5.03 x 3.94 in)

**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

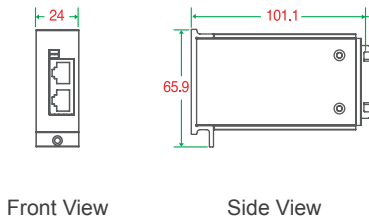
#### MTBF (mean time between failures)

**Time:** 620,000 hrs

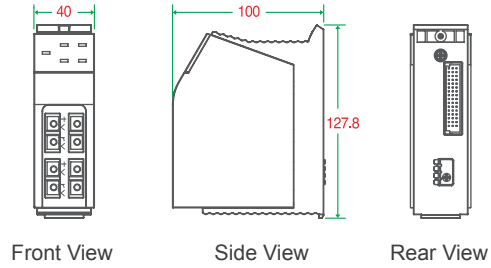
**Database:** MIL-HDBK-217F, GB 25°C

Dimensions (unit = mm)

Gigabit Ethernet Interface Modules



Fast Ethernet Interface Modules



Ordering Information

Available Models	Port Interface						
	Gigabit Ethernet		Fast Ethernet				
	10/100/1000BaseT(X)	1000BaseSFP*	10/100BaseT(X)	100BaseFX			
Multi-mode, SC Connector				Multi-mode, ST Connector	Single-mode, SC Connector	Single-mode, SC Connector, 80 km	
<b>IM-2G Series</b>							
IM-2GTX	2	---	---	---	---	---	---
IM-2GSFP	---	2	---	---	---	---	---
<b>IM Series</b>							
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

\* Please see page 3-45 for product information related to the SFP-1G series Gigabit Ethernet SFP modules.