

## 4-Port 10/100/1000 Industrial Managed Switch with (2) SFP Slots and (2) PoE/PoE+ PSE Ports

### SF70460MP

#### Product Features

- Supports multiple functions:
  - ⇒ Dual media converter mode
  - ⇒ Dual media converters sharing redundant fiber mode
  - ⇒ Fiber-to-Fiber media converter mode
  - ⇒ 4-Port switch mode
- (2) 10/100/1000Mbps RJ-45 ports and (2) 100/1000Mbps SFP slots
- Copper ports with auto-negotiation and auto-MDI/MDI-X detection
- Supports 802.3x flow control for full duplex operation
- Supports back-pressure flow control for half-duplex operation
- Supports Link Fault Pass Through (LFPT)
- Supports Redundant Ring function in switch mode
- Supports Gigabit full wire speed bridging & forwarding performance
- Supports jumbo frames up to 9600 bytes
- Supports alarm feature for power failure and port link down
- Supports green Ethernet power saving
- Supports 802.3az Energy Efficient Ethernet
- Supports stand-alone, DIN Rail, or Panel Mounting



#### Technical Specifications

<b>IEEE Standards:</b>	802.3, 802.3ab, 802.3z, 802.3x, 802.3at, 802.1x, 801.1w, 802.1D, 802.1Q
<b>Network Ports:</b>	(2) 10/100/1000Mbps Copper Ports (RJ-45) (2) 100/1000Mbps Fiber SFP Slots
<b>Copper Ports:</b>	Shielded RJ-45, 10/100Mbps, auto-negotiation, auto-MDI/MDI-X
<b>SFP Slot:</b>	100/1000Base-FX compliant slot for standard SFP transceiver
<b>Network Cables:</b>	Copper Port: Cat5 or higher up to 100 meters SFP Slot: 50/125, 62.5/125 MM Fiber, 9/125 SM Fiber
<b>Power over Ethernet:</b>	IEEE 802.3at compliant Power delivery 30W max. per port up to 100 meters
<b>MAC Addresses:</b>	Table with 8K entries
<b>Relay Output:</b>	Alarm: Power Failure, Port Link Down Interface: (3) Terminal Contacts (30VDC/1A max. or 120VAC/0.5A max.)
<b>DC Power Input:</b>	Screw Terminal Block: DC +/- contacts Operating Voltage Range: +12 ~ +57VDC PoE Voltage Range: +45 ~ +57VDC
<b>Power Consumption:</b>	6W @ 56V max. (Full load without PoE support) 66W @ 56V max. (Full load with (2) PoE+ PSE max. output)

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**Technical Specifications cont.**

<b>Web Management:</b>	Web, telnet, SNMP System Settings, Port Status/Statistics, Port Control, VLAN, QoS, Security, Spanning Tree, IGMP, DHCP, Firmware Upgrade 802.1x, 802.1w, Configuration Backup and Restore
<b>LED Indicators:</b>	Per Unit: Power, Management Status Per Port: Speed/Link/Activity Status Per SFP Slot: Speed/Link/Activity Status Per PoE Port: Power Status
<b>Dimensions:</b>	1.65 x 4.17 x 5.51 inches (W x D x H) 42 x 106 x 140 mm (W x D x H)
<b>Mounting:</b>	Stand-alone, DIN Rail, or Panel Mounting
<b>Environment:</b>	Operating Temperature: -40° C ~ +70° C Storage Temperature: -40° C ~ +85° C Relative Humidity: 5% to 95% non-condensing
<b>Approvals:</b>	FCC Part 15 Class A, VCCI Class A, CE Mark Class A, EN60950-1 Safety, EN61000-6-4 emission, EN61000-3-2, EN61000-3-3, EN61000-6-2 Immunity for industrial environments, IEC60068-2-64 Vibration, IEC60068-2-27 Shock

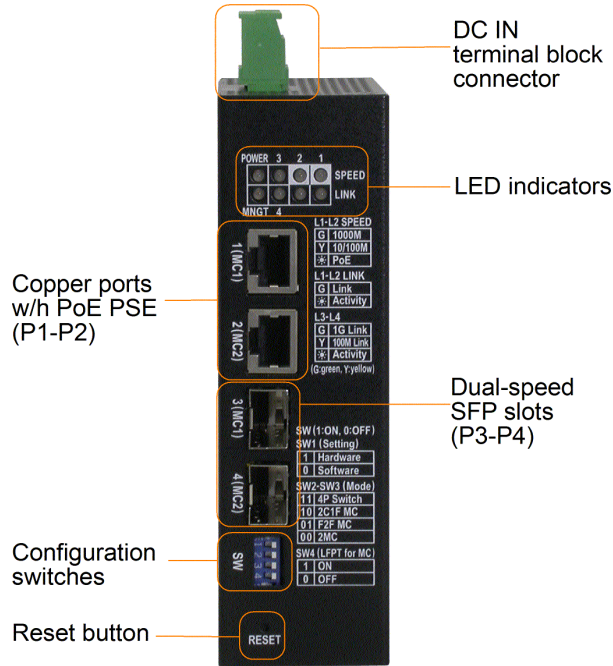


**SF70460MP Top View**

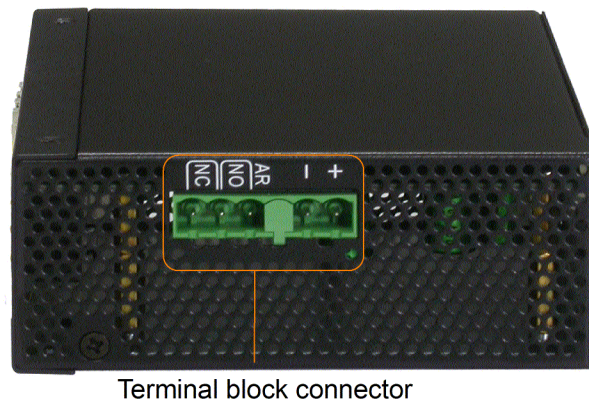
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**Port Configuration**



**Power Connections**



**4-Port 10/100/1000 Industrial Managed Switch  
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**Available SFP Modules**

Model	Speed (Mbps)	Wavelength	Media	Distance	Connector	TX Power	RX Sens	Temp
FEMM	100	850nm	MMF	62.5µ: 220m 50µ: 550m	LC	-10 ~ -4	< -24	0 to 70° C
FE2MM	100	1310nm	MMF	2km	LC	-20 ~ -4	< -31	0 to 70° C
FE10SM	100	1310nm	SMF	10km	LC	-15 ~ -8	< -34	0 to 70° C
GBMM	1000	850nm	MMF	62.5µ: 220m 50µ: 550m	LC	-9.5 ~ -4	< -18	0 to 70° C
GB2MM	1000	1310nm	MMF	2km	LC	-9 ~ -1	< -19	0 to 70° C
GB10SM	1000	1310nm	MMF / SMF	MM 62.5µ: 220m MM 50µ: 550m SM 9µ: 10km	LC	-9.5 ~ -3	< -20	0 to 70° C
GB20SM	1000	1310nm	SMF	20km	LC	-4 ~ +1	< -24	0 to 70° C
GB40SM	1000	1550nm	SMF	40km	LC	-4 ~ +1	< -24	0 to 70° C
GB70SM	1000	1550nm	SMF	70km	LC	0 ~ +5	< -24	0 to 70° C
GB100SM	1000	1550nm	SMF	100km	LC	0 ~ +5	< -30	0 to 70° C
GB10SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	10km	LC	-3 ~ -9	< -21	0 to 70° C
GB10SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	10km	LC	-3 ~ -9	< -21	0 to 70° C
GB20SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	20km	LC	-3 ~ -8	< -23	0 to 70° C
GB20SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	20km	LC	-3 ~ -8	< -23	0 to 70° C
GB40SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	40km	LC	-3 ~ +2	< -23	0 to 70° C
GB40SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	40km	LC	-3 ~ +2	< -23	0 to 70° C
GB60SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	60km	LC	0 ~ +5	< -24	0 to 70° C
GB60SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	60km	LC	-2 ~ +4	< -25	0 to 70° C
GB80SFA	1000	Tx: 1310nm Rx: 1550nm	SMF	80km	LC	-2 ~ +3	< -26	0 to 70° C
GB80SFB	1000	Tx: 1550nm Rx: 1310nm	SMF	80km	LC	-2 ~ +3	< -26	0 to 70° C

**CWDM and DWDM modules are also available. Call for details.**