

Industrial 28-Port 10/100/1000Base Managed Switch with (4) 100/1000Base SFP Slots

SF72860M

Product Features

- (24) 10/100/1000Mbps Copper Ports
- (2) 100/1000Mbps SFP Slots
- (2) Combo Ports - 100/1000Mbps SFP or 10/100/1000Mbps Copper
- Non-blocking store-and-forward switching
- Supports flow control for full duplex operation
- Supports back-pressure flow control for half-duplex operation
- Supports Spanning Tree (STP, RSTP, MSTP)
- Supports Point-to-Point or Ring configurations
- Supports real-time monitoring
- Redundant DC power
- 4KV Ethernet surge protection
- Extended temperature range
- Corrosion resistant
- Industrial rated Emission and Immunity performance
- 19" Rack-Mountable



Technical Specifications

Network Ports:	<ul style="list-style-type: none"> • (24) 10/100/1000 Copper Ports (RJ-45) Auto-Negotiate, Auto-MDI/MDI-X • (2) 100/1000Mbps SFP Slots • (2) Combo Ports - 100/1000Mbps SFP or 10/100/1000Mbps Copper
Switching Architecture:	<ul style="list-style-type: none"> • Store-and-Forward
Switching Capacity:	<ul style="list-style-type: none"> • 56Gbps (non-blocking)
MAC Address Table:	<ul style="list-style-type: none"> • 8K
Maximum Frame Size:	<ul style="list-style-type: none"> • 9.6K Bytes (Jumbo Frames)
Flow Control:	<ul style="list-style-type: none"> • Back pressure (Half-Duplex) • IEEE 802.3x Pause Frame (Full-Duplex)
LED Indicators:	<ul style="list-style-type: none"> • Power: On - Green • Copper Ports: Link/Activity - Amber (10/100Mbps); Green (1000Mbps) • SFP Slots: Link/Activity - Green

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Layer 2 Management Functions

Management Interface:	<ul style="list-style-type: none"> • Console • CLI • Telnet • Web - SSH/SSL, SNMP v1, v2c, v3c
Port Configuration:	<ul style="list-style-type: none"> • Enable/Disable • Auto-negotiation • Full and Half Duplex mode selection • Flow control
Port Mirroring:	<ul style="list-style-type: none"> • Tx/Rx: Many-to-1 monitoring
Bandwidth Control:	<ul style="list-style-type: none"> • Ingress/Egress rate control
VLAN:	<ul style="list-style-type: none"> • IEEE 802.1q tag-based VLAN • Up to 256 VLAN groups • 4094 VLAN IDs • Port-based VLAN • MAC-based VLAN • Protocol-based VLAN • MVR (Multiple VLAN Registration) • Q-in-Q Tunneling
Link Aggregation:	<ul style="list-style-type: none"> • IEEE 802.3ad LACP/Static Trunk • Up to 5 groups
Quality of Service (QoS):	<ul style="list-style-type: none"> • 8 priority queues • Traffic classification: IEEE 802.1p, IP DSCP
Multicasting/IGMP:	<ul style="list-style-type: none"> • IGMP/MLD Snooping (v1, v2, v3) with Query Support
Access Control List:	<ul style="list-style-type: none"> • IP-based ACL/MAC-based ACL • 256 entries
SNMP MIBs:	<ul style="list-style-type: none"> • RFC-1213 MIB-II • RFC-2819 RMON MIB (Group 1, 2, 3, 9)

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Electrical, Mechanical, Environmental

AC Power Input Voltage:	<ul style="list-style-type: none">• 100~240VAC, 50/60Hz• Auto-sensing
Power Consumption:	<ul style="list-style-type: none">• 18 Watts (Full Load)
Dimensions:	<ul style="list-style-type: none">• 19.01 x 11.02 x 1.77 inches (483 x 280 x 45 mm)
Case:	<ul style="list-style-type: none">• IP30 Metal
Mounting:	<ul style="list-style-type: none">• 19" Rack
MTBF:	<ul style="list-style-type: none">• >100,000 hours
Operating Temperature:	<ul style="list-style-type: none">• -40°C ~ +80°C
Storage Temperature:	<ul style="list-style-type: none">• -40°C ~ +80°C
Relative Humidity:	<ul style="list-style-type: none">• 0% ~ 95% (non-condensing)

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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	SMF	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.