

**Industrial 10-Port 10/100/1000Base  
Managed Switch with (2) 100/1000Base SFP Slots**

**SF71060MA**

**Product Features**

- (8) 10/100/1000Mbps Copper Ports
- (2) 100/1000Mbps SFP Slots
- 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
- Supports DIN rail mounting



**Technical Specifications**

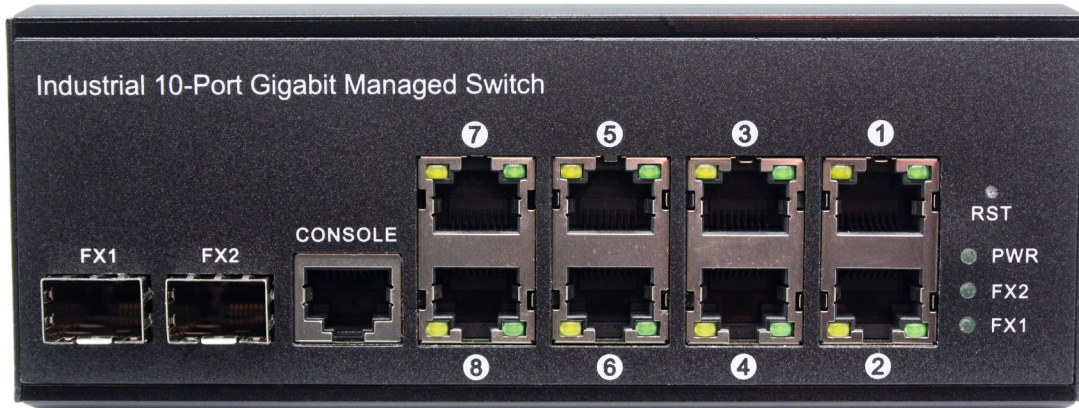
<b>Network Ports:</b>	<ul style="list-style-type: none"> <li>• (8) 10/100/1000 Copper Ports (RJ-45) Auto-Negotiate, Auto-MDI/MDI-X</li> <li>• (2) 100/1000Mbps SFP Slots</li> </ul>
<b>Switching Architecture:</b>	<ul style="list-style-type: none"> <li>• Store-and-Forward</li> </ul>
<b>Switching Capacity:</b>	<ul style="list-style-type: none"> <li>• 26Gbps (non-blocking)</li> </ul>
<b>MAC Address Table:</b>	<ul style="list-style-type: none"> <li>• 8K</li> </ul>
<b>Maximum Frame Size:</b>	<ul style="list-style-type: none"> <li>• 9.6K Bytes (Jumbo Frames)</li> </ul>
<b>Flow Control:</b>	<ul style="list-style-type: none"> <li>• Back pressure (Half-Duplex)</li> <li>• IEEE 802.3x Pause Frame (Full-Duplex)</li> </ul>
<b>LED Indicators:</b>	<ul style="list-style-type: none"> <li>• Power: On - Green</li> <li>• Copper Ports: Link/Activity - Amber (10/100Mbps); Green (1000Mbps)</li> <li>• SFP Slots: Link/Activity - Green</li> </ul>

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**Layer 2 Management Functions**

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

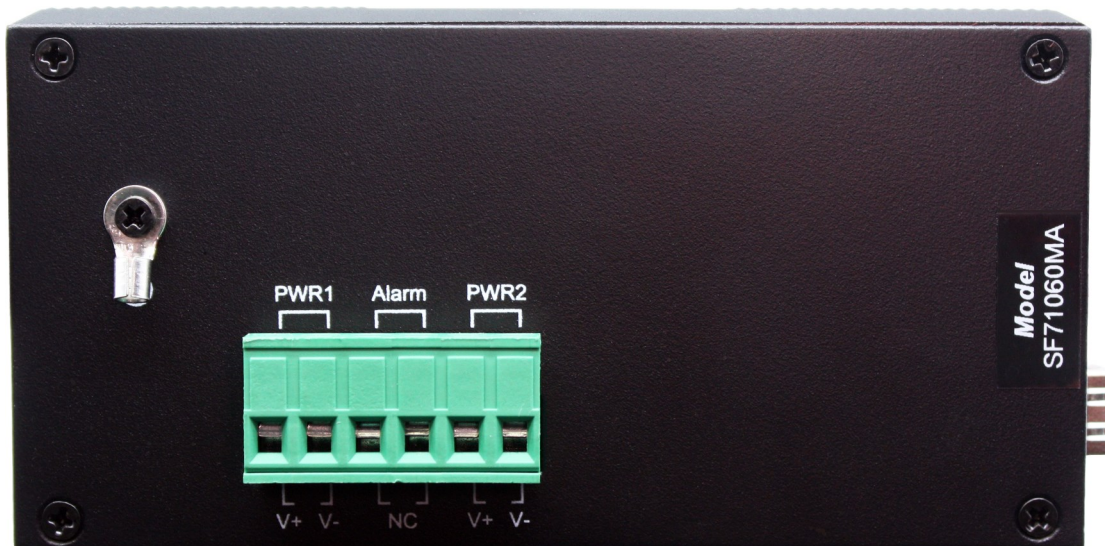


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**Electrical, Mechanical, Environmental**

<b>DC Power Input Voltage:</b>	<ul style="list-style-type: none"> <li>• Dual 9 ~ 52VDC</li> <li>• Auto-sensing</li> </ul>
<b>Power Consumption:</b>	<ul style="list-style-type: none"> <li>• 9 Watts (Full Load)</li> </ul>
<b>Dimensions:</b>	<ul style="list-style-type: none"> <li>• 6.14 x 4.52 x 2.36 inches (156 x 114.8 x 60 mm)</li> </ul>
<b>Case:</b>	<ul style="list-style-type: none"> <li>• IP44 Metal</li> </ul>
<b>Mounting:</b>	<ul style="list-style-type: none"> <li>• DIN Rail</li> </ul>
<b>MTBF:</b>	<ul style="list-style-type: none"> <li>• &gt;100,000 hours</li> </ul>
<b>Operating Temperature:</b>	<ul style="list-style-type: none"> <li>• -40°C ~ +80°C</li> </ul>
<b>Storage Temperature:</b>	<ul style="list-style-type: none"> <li>• -40°C ~ +80°C</li> </ul>
<b>Relative Humidity:</b>	<ul style="list-style-type: none"> <li>• 0% ~ 95% (non-condensing)</li> </ul>



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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.**