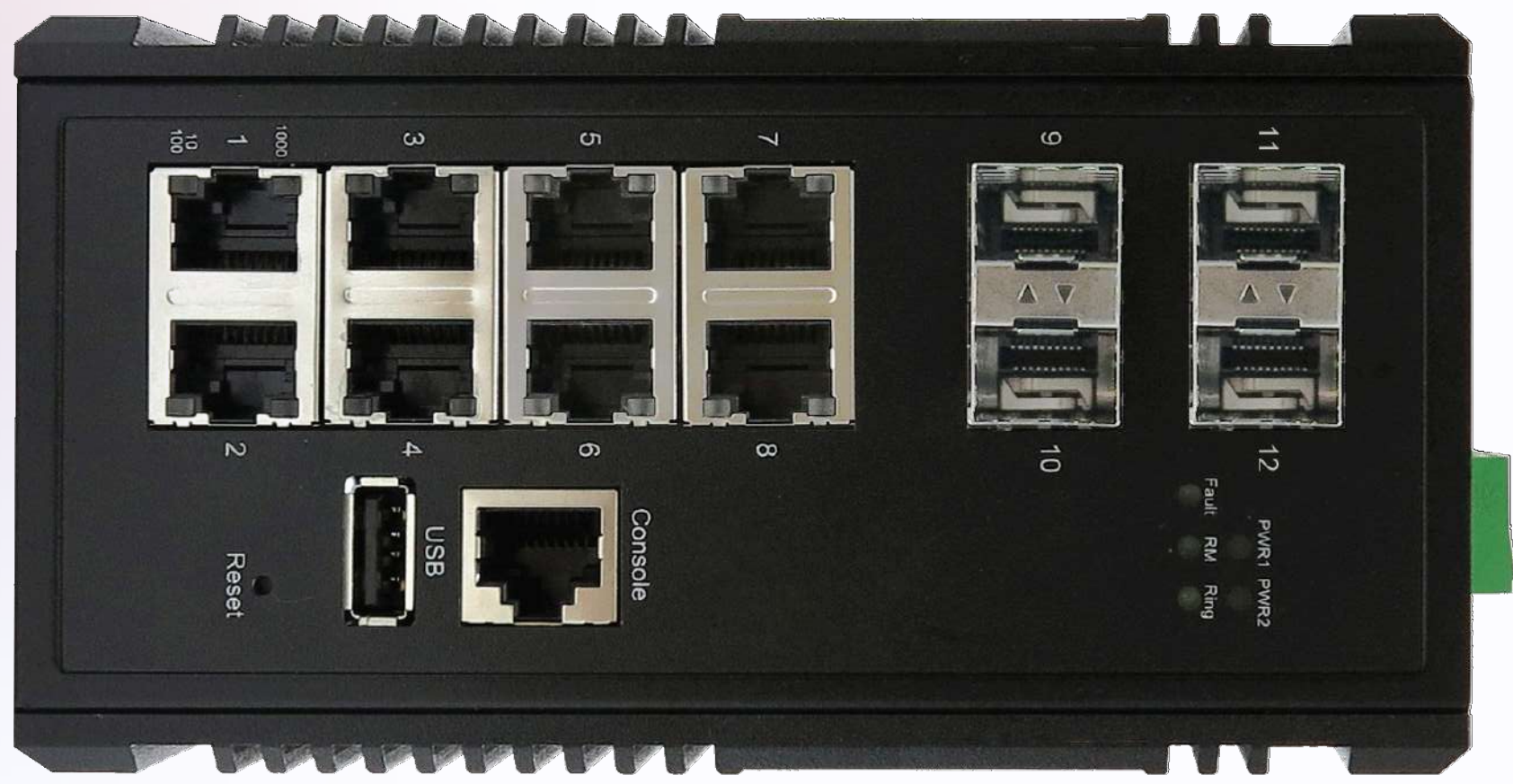


MS-0804G

8+4 Port Industrial Managed Gigabit Ethernet Switch



- 8x Gigabit Ethernet ports
- 4x 1000F(x) SFP Slot
- Built for harsh environments and wide temperature range application
- RSTP, MSTP, ERPS, LACP for Network Redundancy
- QoS CoS/DSCP to increase determinism
- Supports IGMP Snooping v1/v2/v3, up to 512 groups
- DHCP Relay Option 82 for policies IP address assignment
- SNMP v1/v2c/v3 for network management
- Supports Storm Protection
- USB storage for configuration-free replacement
- Support industrial automation protocols Ethernet/IP and Modbus TCP

Specifications

Technology

Standard

IEEE 802.3 10BaseT
IEEE 802.3u 100BaseTX
IEEE 802.3ab 1000BaseT
IEEE 802.3z 1000BaseX

IEEE 802.3x Flow Control
IEEE 802.3az Energy-Efficient Ethernet
IEEE 802.3ad/802.1AX LACP
IEEE 802.1D Spanning Tree Protocol

IEEE 802.1w Rapid STP
IEEE 802.1s Multiple STP
ITU-T G.8032 / Y.1344 ERPS
IEEE 802.1Q VLAN Tagging

IEEE 802.1ad Stacked VLANs
IEEE 802.1p Class of Service
IEEE 802.1X Network Authentication
IEEE 802.1AB LLDP

Processing Type

Store and Forward

Switch properties

Priority Queues 8 Queues

Jumbo Frame 12000bytes

MAC Table Size 16K

Packet Buffer 12Mbits

VLAN Table Size 4094

IGMP Group 1023

Software Feature

Network Redundancy RSTP, MSTP, G.8032 ERPSv2, Port Trunking with LACP

Security 802.1X, RADIUS, TACACS+, SSL, SSH

Management IPv4, IPv6, Web, Telnet, Serial Console, CLI, SNMP v1/v2c/v3, uPnP

Diagnostics RMON, SNMP Inform/Trap, Syslog, SMTP, Port Mirroring, LLDP

Configuration DHCP Server/Client, Relay Option 82, TFTP, USB

Filter 802.1Q VLAN, Q-in-Q, IGMP Snooping v1/v2/v3, IGMP Querier, Independent Vlan Learning

Time Sync. NTP, IEEE1588v2 OC (Software Timestamp), TC (Hardware Timestamp)

QoS CoS, DSCP, WRR/SPQ Queuing, Storm Protection

PoE Powering Status, PoE Monitoring, Scheduling, PD Alive Check

Industrial Profiles Ethernet/IP, Modbus TCP, Profinet

Interface

RJ45 Ports	8x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X	Digital Inputs	1x isolated input from the electronics. +13 to +30V for state "1" -30 to +3V for state "0" Max. input current: 8mA
Fiber Port	4x 1000F(x) SFP Slot	Button	Multiple functions reset button
LED Indicators	Per unit: PWR1, PWR2, Fault, Ring Master, Ring State Ports: Link/Active with highest speed(Green), low speed(Amber)	Serial Console	1x RS232 in RJ45 connector with console cable, 115.2Kbps, 8N1
Alarm Contact	1x relay output with current carrying capacity of 1A @ 24 VDC	Storage	1x USB 2.0 storage for firmware update, configuration backup, restore, boot up and syslog

Power Requirements

Operation Voltage	12-48VDC, redundant dual inputs	Protection	Overload Current Protected, Reverse Polarity Protected
Connection	1x removable 4-contact terminal block		
Power Consumption	0.57A@24VDC		

Mechanical Construction

Enclosure	Aluminum	Weight	0.87 kg
Protection Class	IP30	Mounting	DIN-Rail Mounting, Optional Wall Mounting Kits
Dimensions	72x145x118 mm (WxHxD)		

Environmental Limits

Operating Temperature	Extended: -40°C ~ 75°C (-40°F ~ 167°F)	Ambient Relative Humidity	5 to 95%, (Non-Condensing)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)		

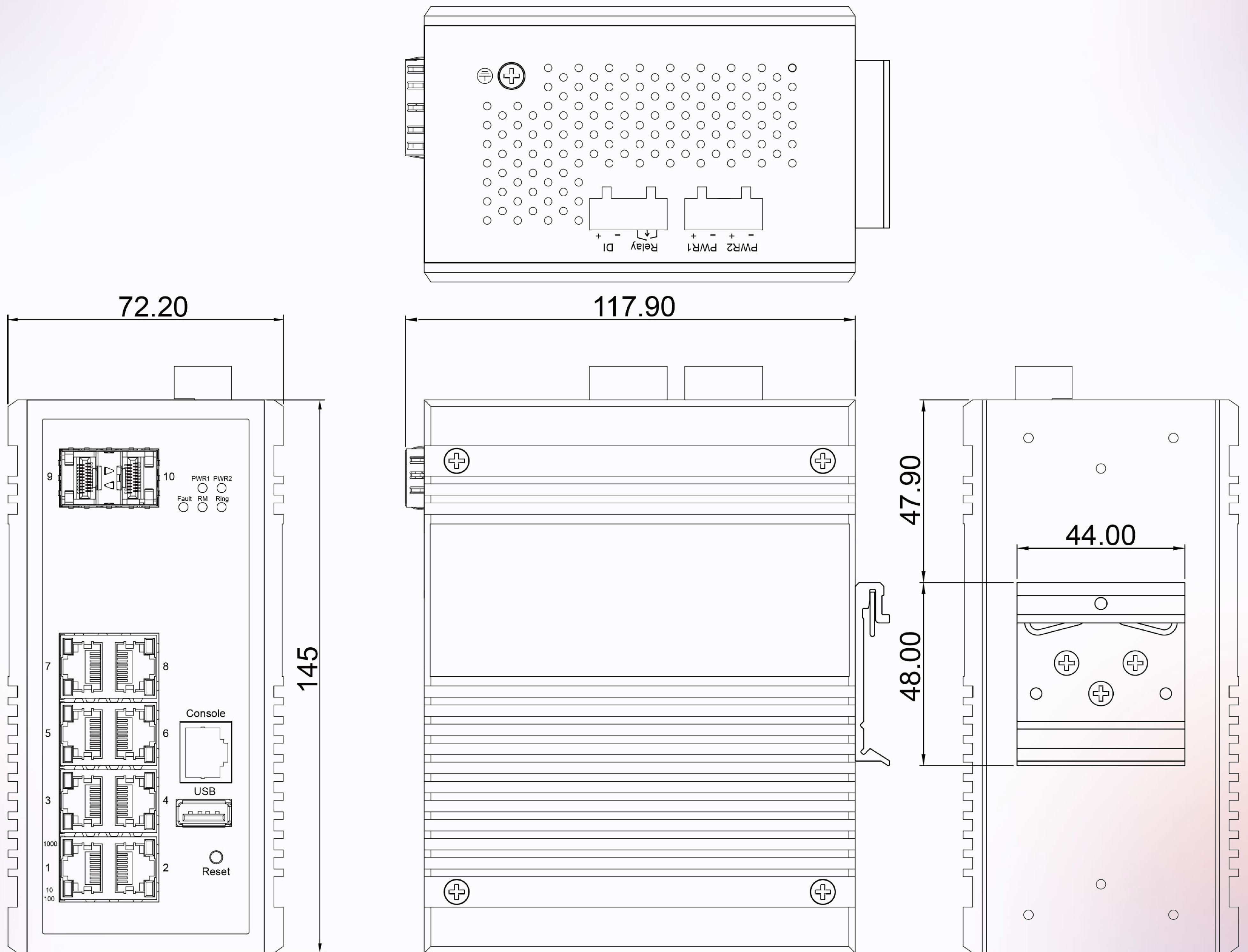
Regulatory Approvals

EMI	CE EN 55032 Class A	Vibration	IEC60068-2-6
EMS	IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field)	Green	RoHS Compliant
Free Fall	IEC60068-2-32	Certifications	UL 60950-1/62368 (Pending) IEC 61000-6-2 IEC 61000-6-4 EN 50121-4
Shock	IEC60068-2-27	MTBF	>100,000 hours
		Warranty	5 Years

MS-0804G

8+4 Port Industrial Managed Gigabit Ethernet Switch

Dimensions (unit = mm)



Ordering Information

Available Models

- MS-0802G-T** 8+2 Port Industrial Managed Gigabit Ethernet Switch
- 8x 10/100/1000T(x) + 2x 1000F(x) SFP Slot
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)

Optional Accessories

NDR-75-24 75W Industrial DIN-Rail Power Supply, 24VDC (metal case)

NDR-75-48 75W Industrial DIN-Rail Power Supply, 48VDC (metal case)