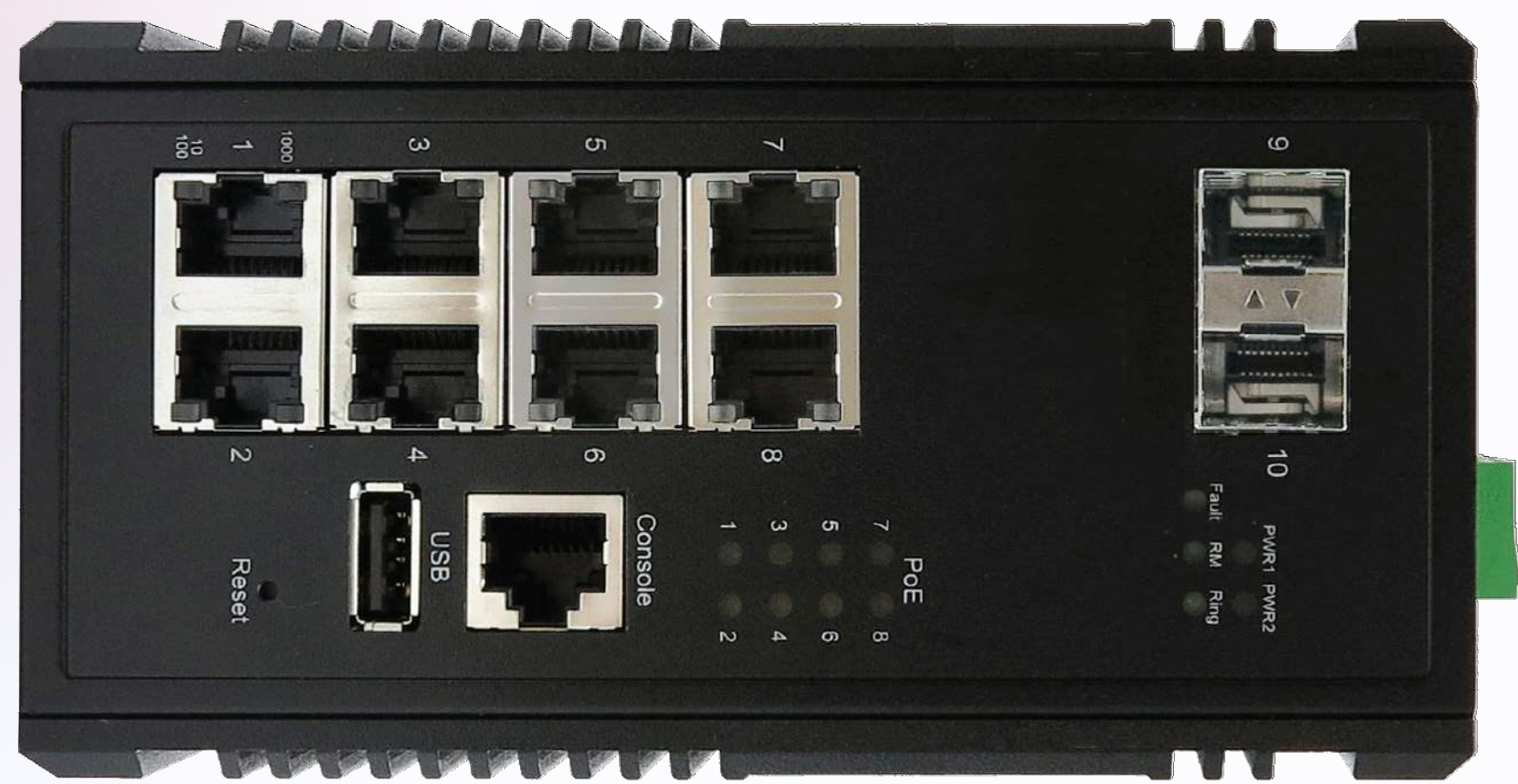


MP-0802G

8+2 Port Industrial Managed PoE+ Gigabit Ethernet Switch



- 8x Gigabit Ethernet ports with IEEE 802.3at PoE+
- 2x 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
- Supports PoE PD Alive Check Function for PoE Device Power Recycle

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 802.3af Power over Ethernet
IEEE 802.3at PoE+
IEEE 802.3bt PoE++
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) with PoE+, 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	2x 1000F(x) SFP Slot	Button	Multiple functions reset button
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A	Serial Console	1x RS232 in RJ45 connector with console cable, 115.2Kbps, 8N1
LED Indicators	Per unit: PWR1, PWR2, Fault, Ring Master, Ring State Ports: Link/Active with highest speed(Green), low speed(Amber) PoE: Output Power	Storage	1x USB 2.0 storage for firmware update, configuration backup, restore, boot up and syslog
Alarm Contact	1x relay output with current carrying capacity of 1A @ 24 VDC		

Power Requirements

Operation Voltage	48-57VDC, redundant dual inputs	PoE Power Budget	Max. 240 W for total PD consumption, Max. 30 W per PoE port
Connection	1x removable 4-contact terminal block	Protection	Overload Current Protected, Reverse Polarity Protected
Power Consumption	0.32A@48VDC without PDs' consumption		

Mechanical Construction

Enclosure	Aluminum	Weight	0.88 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)		

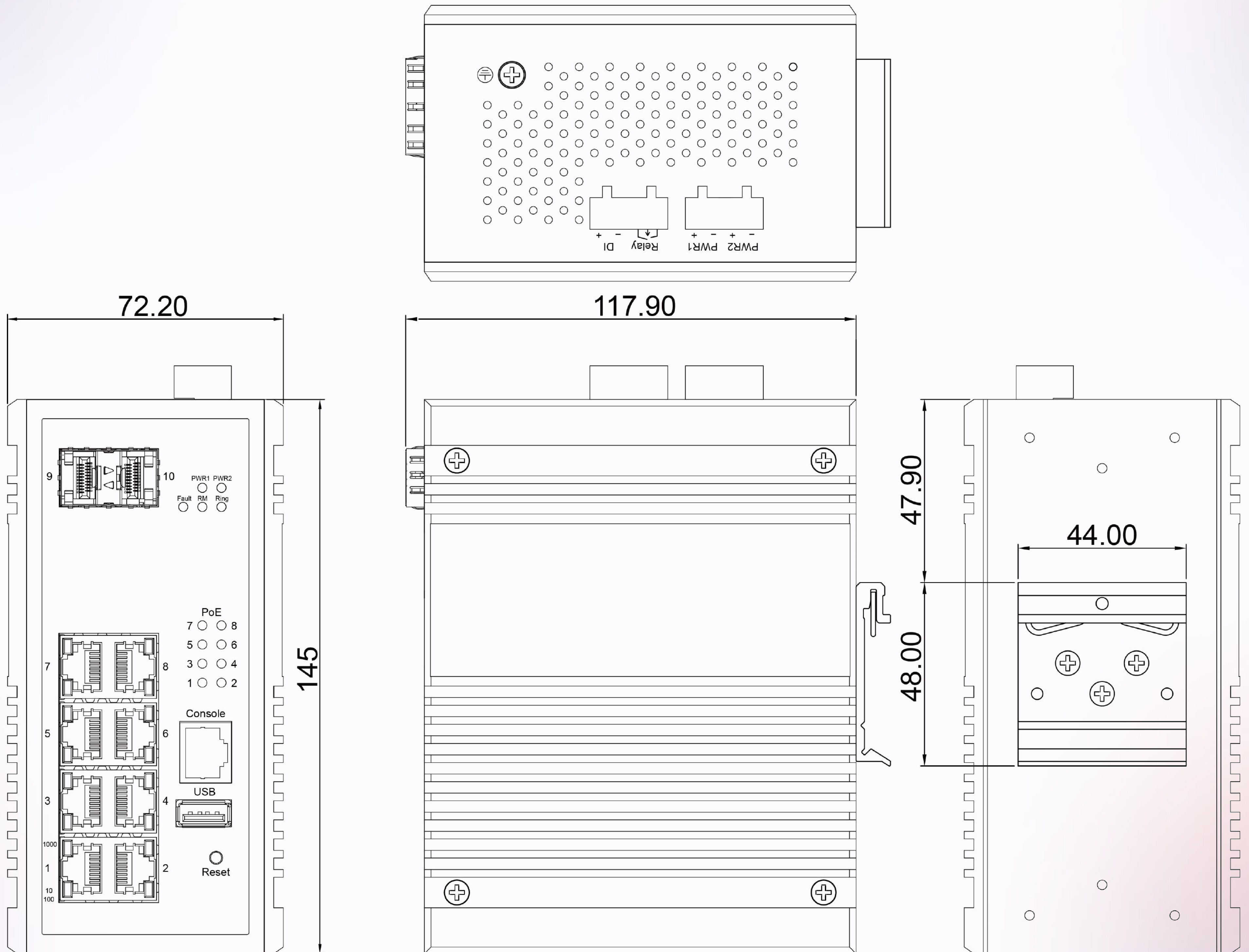
Regulatory Approvals

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) 61000-6-2 61000-6-4 EN 50121-4
Shock	IEC60068-2-27	MTBF	>100,000 hours
		Warranty	5 Years

MP-0802G

8+2 Port Industrial Managed PoE+ Gigabit Ethernet Switch

Dimensions (unit = mm)



Ordering Information

Available Models

- MP-0802G-T** 8+2 Port Industrial Managed PoE+ Gigabit Ethernet Switch
- 8x 10/100/1000T(x) with 30W PSE + 2x 1000F(x) SFP Slot
 - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)

Optional Accessories

NDR-240-48 240W Industrial DIN-Rail Power Supply, 48VDC (metal case)

NDR-480-48 480W Industrial DIN-Rail Power Supply, 48VDC (metal case)