



- 24x Gigabit Ethernet ports with IEEE 802.3at PoE+
- 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
- Supports 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 802.3ad/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
IEEE 1588 PTP

Processing Type

Store and Forward

Switch properties

Switch Fabric	56Gbps	Packet Buffer	56Gbps
Priority Queues	8 Queues	VLAN Table Size	8 Queues
Jumbo Frame	9216bytes	IGMP Group	512
MAC Table Size	16K	ACL Group	512

Software Feature

Network Redundancy	RSTP, MSTP, G.8032 ERPSv2, Port Trunking with LACP	Time Sync.	NTP, IEEE1588v2 OC (Software Timestamp), TC (Hardware Timestamp)
Security	802.1X, RADIUS, TACACS+, SSL, SSH	QoS	CoS, DSCP, WRR/SPQ Queuing, Storm Protection
Management	IPv4, IPv6, Web, Telnet, Serial Console, CLI, SNMP v1/v2c/v3, uPnP	PoE	Powering Status, PoE Monitoring, Scheduling, PD Alive Check
Diagnostics	RMON, SNMP Inform/Trap, Syslog, SMTP, Port Mirroring, LLDP	Industrial Profiles	Ethernet/IP, Modbus TCP, Profinet
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		

Interface

RJ45 Ports	24x 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	4x 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(AC2/DC2), 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	90~264VAC, 48~57VDC, redundant dual inputs, >50VDC for PoE+ output recommended	PoE Power Budget	Max. 348W@AC with derating (50°C to 70°C, 2.5%/°C) or 720W@DC, for total PD consumption, Max. 30 W per PoE port
Connection	AC socket, DC 4-pin terminal block	Protection	Overload Current Protected, Reverse Polarity Protected
Power Consumption	0.46A@48VDC without PDs' consumption		

Mechanical Construction

Enclosure	Aluminum / Steel met	Weight	6.00 kg
Protection Class	IP30	Mounting	Rack Mounting
Dimensions	440x44x331 mm (WxHxD)		

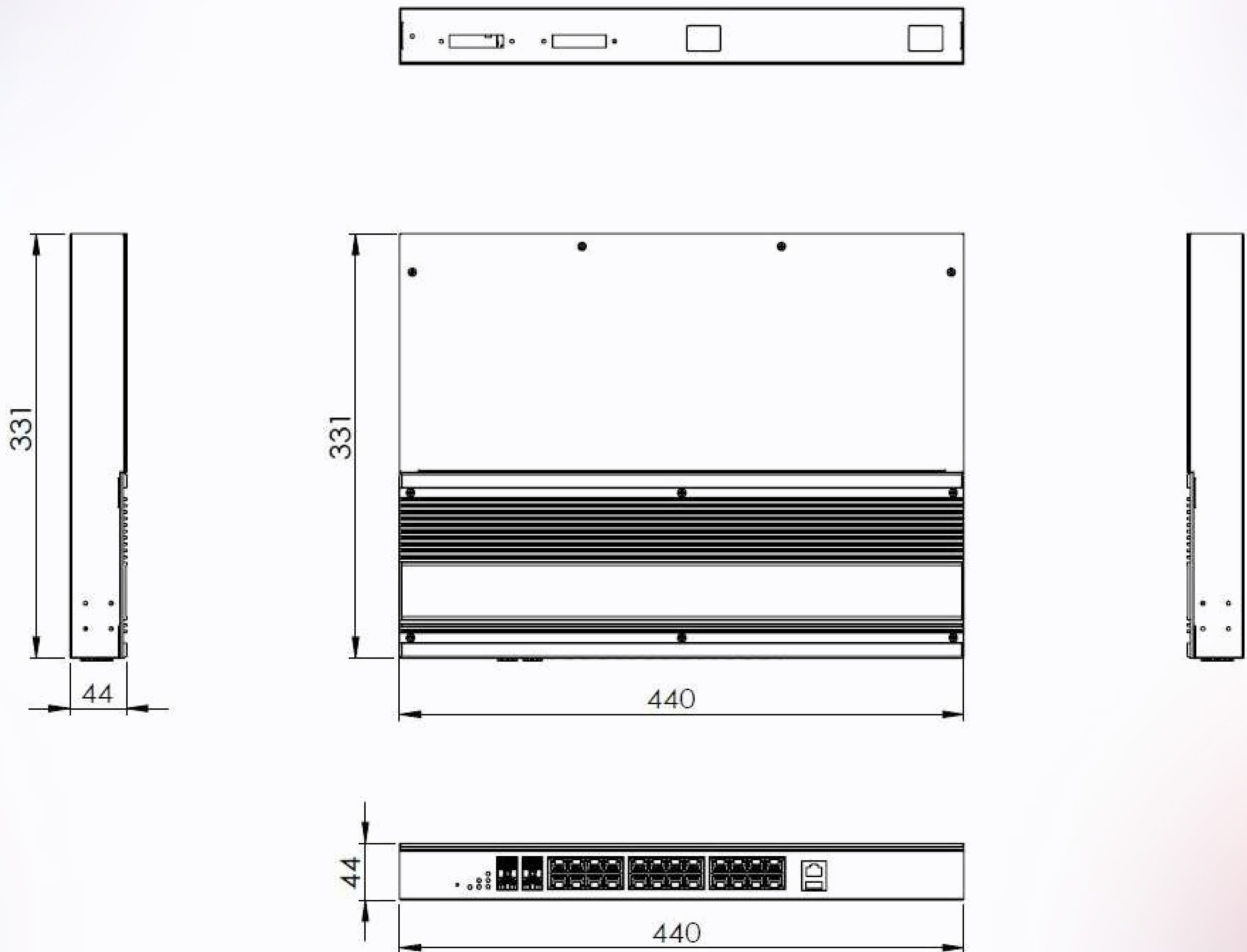
Environmental Limits

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	FCC Part 15 Subpart B Class A CE EN 55032 Class A	Shock	IEC60068-2-27
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)	Vibration	IEC60068-2-6
Free Fall	IEC60068-2-32	Green	RoHS Compliant
		Certifications	UL 60950-1/62368 (Pending)
		MTBF	>100,000 hours
		Warranty	5 Years

Dimensions (unit = mm)



Ordering Information

Available Models

MP-2404G-1AC-T 24+4 Port Industrial Managed PoE+ Gigabit Ethernet Switch
- 24x 10/100/1000T(x) with 30W PSE + 4x 1000F(x) SFP Slot
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- 1x 90~264VAC Power Input

MP-2404G-AD-T 24+4 Port Industrial Managed PoE+ Gigabit Ethernet Switch
- 24x 10/100/1000T(x) with 30W PSE + 4x 1000F(x) SFP Slot
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- 1x 90~264VAC Power and 1x 48~57VDC Power Input

MP-2404G-DC-T 24+4 Port Industrial Managed PoE+ Gigabit Ethernet Switch
- 24x 10/100/1000T(x) with 30W PSE + 4x 1000F(x) SFP Slot
- Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F)
- 2x 48~57VDC Robust Isolation Power Input