MT-0804X

8+4 Port Industrial Managed PoE+ Booster Ethernet Switch with 10G Uplink

- 8x Gigabit Ethernet ports with IEEE 802.3at PoE+
- 4x 1/10 Gigabit Ethernet SFP+ Slot
- Built for harsh environments and wide temperature range application
- RSTP, MSTP, ERPS, LACP, MRP 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
- Power Boost for PoE+

IP30 | RoHS COMPLIANT | CE | FC | 5 YEARS WARRANTY | IPV6 | Full Gigabit | Managed

Specifications

Technology

Standard

IEEE 802.3 10BaseT	IEEE 802.3az Energy-Efficient Ethernet	ITU-T G.8032 / Y.1344 ERPS	IEEE 802.1AB LLDP
IEEE 802.3u 100BaseTX	IEEE 802.3ad/802.1AX LACP	IEEE 802.1Q VLAN Tagging	IEEE 1588 PTP
IEEE 802.3ab 1000BaseT	IEEE 802.1D Spanning Tree Protocol	IEEE 802.1ad Stacked VLANs	
IEEE 802.3z 1000BaseX	IEEE 802.1w Rapid STP	IEEE 802.1p Class of Service	
IEEE 802.3x Flow Control	IEEE 802.1s Multiple STP	IEEE 802.1X Network Authentication	

Processing Type

Store and Forward

Switch properties

Priority Queues	8 Queues		**Packet Buffer**	12Mbits
Jumbo Frame	9216bytes		**VLAN Table Size**	4094
MAC Table Size	16K		**IGMP Group**	1023

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			

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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	4x 1/10 Gigabit Ethernet SFP+ Slot		
LED Indicators	Per unit: PWR1, PWR2, Fault, Ring Master, Ring State Ports: Link/Active with highest speed(Green), low speed(Amber) PoE: Output Power	**Button**	Multiple functions reset button
		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
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A		

Power Requirements

Operation Voltage	12-57VDC, redundant dual inputs, >50VDC for PoE+ output recommended	**Protection**	Overload Current Protected, Reverse Polarity Protected
Connection	1x removable 4-contact terminal block	**PoE Power Budget**	Max. 30 W per PoE port. Max. total output power for PD: 190W@24V input, 90W@12V input.
Power Consumption	0.90A@24VDC without PDs' consumption		

Mechanical Construction

Enclosure	Aluminum	**Weight**	1.04 kg
Protection Class	IP30	**Mounting**	DIN-Rail Mounting, Optional Wall Mounting Kits
Dimensions	72x145x118 mm (WxHxD)		

Environmental Limits

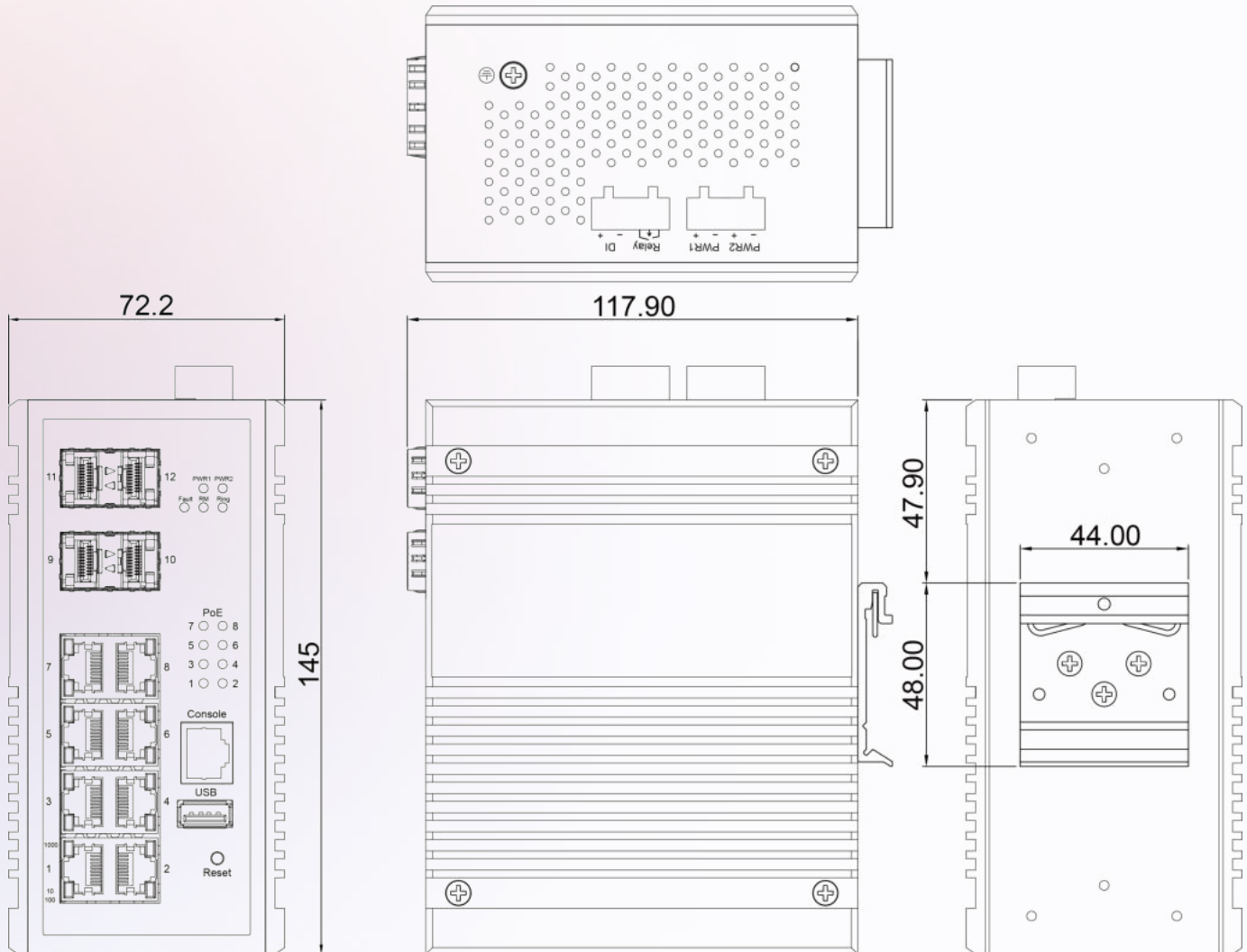|			
Operating Temperature	Extended: -40°C ~ 75°C (-40°F ~ 167°F)	**Ambient Relative Humidity**	5 to 95%, (Non-Condensing)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)		

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A CE EN 55032 Class A	**Vibration**	IEC60068-2-6
		Green	RoHS Compliant
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)	**Certifications**	UL 60950-1/62368 (Pending) IEC 61000-6-2 IEC 61000-6-4 EN 50121-4
		MTBF	>100,000 hours
Free Fall	IEC60068-2-32	**Warranty**	5 Years
Shock	IEC60068-2-27		

Dimensions (unit = mm)

Ordering Information

Available Models

MT-0804X-T

8+4 Port Industrial Managed PoE+ Booster Ethernet Switch with 10G Uplink
– 8x 10/100/1000T(x) with 30W PSE + 4x 1/10 Gigabit Ethernet SFP+ Slot
– Operating Temperature: –40°C ~ 75°C (–40°F ~ 167°F)
For 10G SFP+: –40 ~ 60°C (–40°F ~ 140°F)