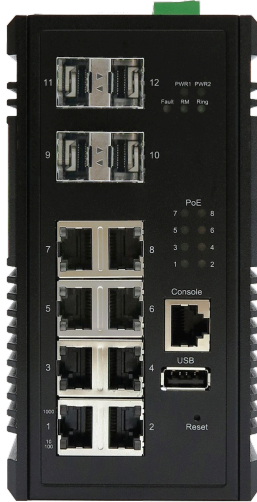


IS10GPOEMP0804X

8 ports PoE+ + 4 PortSFP 10Gb Uplink - Switch Ethernet Industriel



- 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 for Network Redundancy
- QoS CoS/DSCP to increase determinism
- Supports IGMP Snooping v1/v2/v3, up to 1023 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

Standards

IEEE 802.3 10BaseT
IEEE 802.3u 100BaseTX
IEEE 802.3ab 1000BaseT
IEEE 802.3ae 10GBase over Fiber
IEEE 802.3x Flow Control
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

Processing Type	Store and Forward
------------------------	-------------------

Switch Properties

Priority Queues	8 Queues
------------------------	----------

Jumbo Frame	16000bytes
--------------------	------------

MAC Table Size	16K
-----------------------	-----

VLAN Table Size	4094
------------------------	------

IGMP Group	1023
Packet Buffer	12Mbits
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
QoS	CoS, DSCP, WRR/SPQ Queuing, Storm Protection
PoE	Powering Status, PoE Monitoring, Scheduling, PD Alive Check
Industrial Profiles	Ethernet/IP, Modbus TCP
Interface	
RJ45 Port	8x 10/100/1000T(x) with PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X
Fiber Port	4x 1/10 Gigabit Ethernet SFP+ Slot
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A
LED Indicators	Per unit: PWR1, PWR2, Fault, Ring Master, Ring State Ports: Link/Active with highest speed(Green), low speed(Amber) PoE: Output Power
Alarm Contact	1x relay output with current carrying capacity of 1A @ 24 VDC
Digital Inputs	1x isolated input from the electronics. +13 to +30V for state "1" -30 to +3V for state "0" Max. input current: 8mA
Button	Multiple functions reset button
Serial Console	1x RS232 in RJ45 connector with console cable, 115.2Kbps, 8N1
Storage	1x USB 2.0 storage for firmware update, configuration backup, restore, boot up and syslog

Power Requirements

Operation Voltage	48-57VDC, redundant dual inputs
Connection	1x removable 4-contact terminal block
Power Consumption	0.42A@48VDC without PDs' consumption
PoE Power Budget	Max. 240 W for total PD consumption, Max. 30 W per PoE port
Protection	Overload Current Protected, Reverse Polarity Protected

Mechanical Construction

Enclosure	Aluminum
Protection Class	IP30
Dimensions	72x145x118 mm (WxHxD)
Weight	0.90 kg
Mounting	DIN-Rail Mounting, Optional Wall Mounting Kits

Environmental Limits

Operating Temperature	Standard: -10°C ~ 60°C (14°F ~ 140°F) Extended: -40°C ~ 75°C (-40°F ~ 167°F)
Storage Temperature	-40°C ~ 85°C (40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (Non-Condensing)

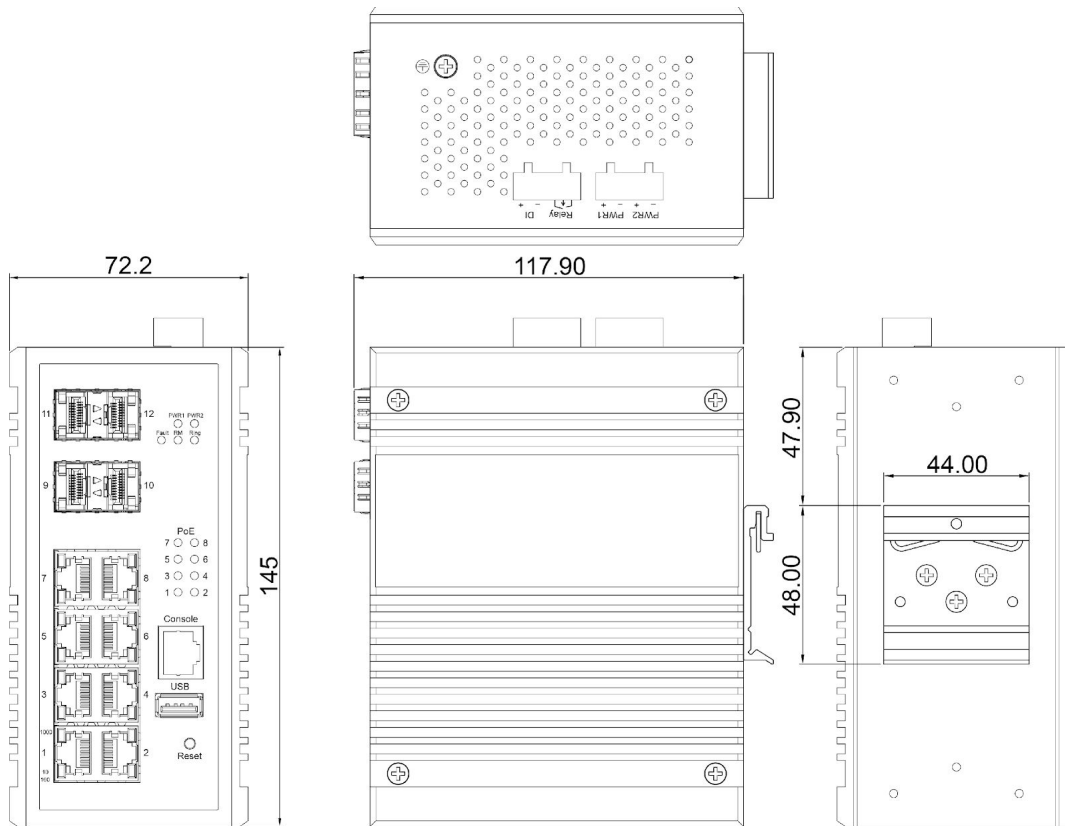
Regulatory Approvals

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

Features with star(*) implies those are under development.

In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

Dimensions (unit = mm)



Ordering Information

IS10GPOEMP0804X	8+4 Port Industrial Managed PoE+ Ethernet Switch with 10G Uplink - 8x 10/100/1000T(x) with 30W PSE + 4x 1/10 Gigabit Ethernet SFP+ Slot
IS10GPOEMP0804XT	8+4 Port Industrial Managed PoE+ 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)

Optional Accessories

ISDR7548	Industrial DIN-Rail Power Supply with 48VDC Output, provide max. 75W Power
ISDR12048	Industrial DIN-Rail Power Supply with 48VDC Output, provide max. 120W Power
ISDRP24048	Industrial DIN-Rail Power Supply with PFC Function with 48VDC Output, provide max. 240W Power
ISDRP48048	Industrial DIN-Rail Power Supply with PFC Function with 48VDC Output, provide max. 480W Power