

ENP1M022100



10-Port Industrial Managed Ethernet Switch

-8*10/100Tx + 2* Gigabit Combo Ports

(2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot), 12-48VDC Power Inputs



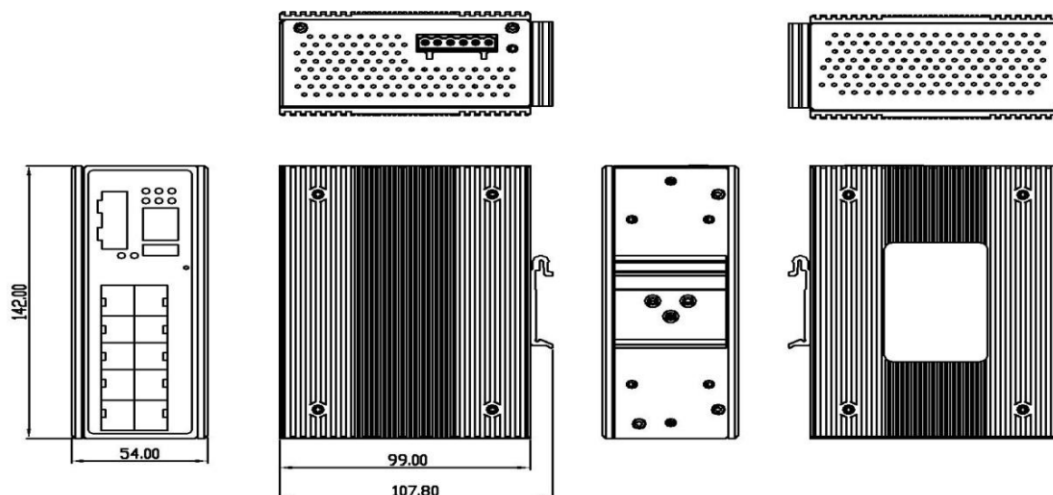
Feature



- 8-port 10/100Tx Fast Ethernet
- 2* Gigabit Combo Ports (2*10/100/1000Tx RJ45 and 2*100/1000 SFP Slot)
- Configuration: Web GUI, Serial Console, CLI Command
- Network Redundancy support: G.8032ERPS, RSTP, MSTP
- Supports IGMP v1/v2, up to 256 groups
- Supports Storm Protection for Broadcast, Multicast, and Unicast frames
- Supports IEEE802.1p QoS and CoS/ToS
- Supports IEEE802.1Q VLAN, SNMP v1/v2c/v3
- System Warning setting for automatic warning through e-mail
- Redundant Power Inputs Design, 12-48VDC
- IP30 Rugged Metal Case Design
- Operating Temperature Range - STD: -10°C ~ 65°C, EOT: -40°C ~ 75°C



Dimensions (unit = mm)



Specifications

Technology

Standards	IEEE 802.3 10BaseT Ethernet IEEE 802.3u 100BaseTX Fast Ethernet IEEE 802.3z 1000Base-X Gigabit Fiber IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-T G.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch) IEEE 802.1Q Virtual Local Area Network (VLAN) IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization IEEE 802.1X Network Authentication IEEE 802.1AB Link Layer Discovery Protocol (LLDP)
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Processing Type	Store and Forward
Protocol	CSMA/CD, IGMP v1/v2, SNMP v1/v2c/v3, TFTP, SNMP, SMTP, RARP, RMON, Syslog
Flow Control	IEEE 802.3x flow control, back pressure flow control

Switch Properties

Memory Buffer	52Gbps
MAC Table size	8K Mac Addresses
IGMP Group	Up to 256 groups

Network Management

Network Redundancy	DHCP option82, IP route
Configuration	Web-based, Telnet, Console, Cisco-like CLI, TFTP, SSH, SSL, SNMP v1/v2c/v3, RMON, USB
Software Features	Storm Protection for Broadcast, Multicast, and Unicast frames QoS - CoS, ToS/Diffserv mapping, SPQ/WRR queuing 802.1Q Virtual Local Area Network(VLAN) IGMP Snooping, IGMP query DHCP Client/Server/Relay with Option 82 Internet Protocol Version 6 (IPv6) Link Layer Discovery Protocol (LLDP) Port Status, Statistics, Monitoring, Security Port Mirror, LLDP, uPnP, Modbus/TCP
Software Features	Static MAC address 802.1X authentication, RADIUS SNMP v3 encrypted authentication and access

Interface

RJ45 Ports	8*10/100BaseT(X), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Gigabit Combo Port (Copper/SFP)	2*RJ45 Ports w/10/100/1000Tx Ethernet and 2*100/1000 SFP Slot
Wavelength	Depends on SFP modules
LED Indicators	Power 1, Power 2, Fault Ethernet Ports: On-Link/Flash-data transmitting SFP: Link/Active
RS232 Serial Console	1*RS232 in RJ45 connector with console cable, baud rate 115200bps,8,N,1
Configuration Backup	1*USB 2.0 for firmware update, configuration backup/restore/boot up and syslog
Network Cable	10BaseT: 2-pair UTP/STP Cat. 3, 4, 5 cable EIA/TIA-568 100-ohm (100m) 100BaseTX: 2-pair UTP/STP Cat. 5 cable EIA/TIA-568 100-ohm (100m)

Power Requirements

Input Voltage	12-48VDC, Redundant Inputs
Overload Current Protection	Present(Slow-Blow Fuse)
Power Connection	1 removable 6-contact terminal block
Reverse Polarity Protection	Present
Power Consumption	15 Watts for System
Relay Contact	24 VDC, 1A resistive

Protection

CPU Watch Dog	Present
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Mechanical Characteristics

Housing	Metal, IP30 protection
Dimensions (W x H x D)	54 x 142 x 99 mm
Weight	Unit Weight: 0.84kg, Shipping Weight: 1.2kg
Mounting	DIN-Rail Mounting, Wall Mounting

Environmental Limits

Operating Temperature	STD: -10°C ~ 65°C; EOT: -40°C ~ 75°C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Part 15 Subpart B Class A, CE EN 55022 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
Safety	UL 61010-1, UL61010-2-201
Compliance	NEMA TS2 (ITS)-EoT version
Warranty	5 Years

Ordering Information

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