

MIB12G-4EP(T)-2G-MIB**Managed 4*100Base T(X) POE+ 2*1000Base Combo port Industrial Ethernet Switch**

- 4* 100Base T(X) POE ports + 2 Gigabit Combo ports
- POE Ethernet ports fully compliant with IEEE802.3af/at standard, provides up to 30 Watts per port.
- Wire speed forwarding capability of all ports make sure of non-blocking message forwarding.
- Automatic MDI/MDI-X crossover for plug-and-play
- Support redundant Ring protocol(recovery time≤20ms)
- Support 802.1x authentication, VLAN, and broadcast storm suppression.
- Loop detection and Port+ IP+MAC binding.
- Support POE power configuring, monitoring, diagnosing and summary statistics.
- Port traffic monitoring and fault event alarming
- Support WEB visual interface, support SNMP management.
- Support full-loaded operating temperature range -40 to 85℃.
- No fan, low power consumption design.
- Din rail corrugated metal casing, meet IP40 protection grade.
- Industrial Level-4 design.
- **With 60W or 130W POE power supply**

Introduction

HENGSION Managed MIB12G-4EP(T)-2G-MIB provides 2* Gigabit Combo ports and 4*100BaseT(X) POE Ethernet ports. The POE Ethernet ports fully compliant with IEEE802.3af/at standards, provides upto 30Watts per port. Support redundant Ring protocol(recovery time < 20ms), with complete security and QoS policies; Support VLAN division, port mirroring, and port rate limiting; Support broadcast storm suppression, flow control, and centralized management and configuration by WEB, CLI, SNMP; POE power management and diagnosing.

MIB12G-POE series effectively reduced the cabling cost and labor costs. The wide operating temperature range and port surge protection design are ideal for application in large flow real-time outdoor environment, are widely used in industrial automation control and surveillance occasions like campus, community, rail traffic, electric power

control and so on

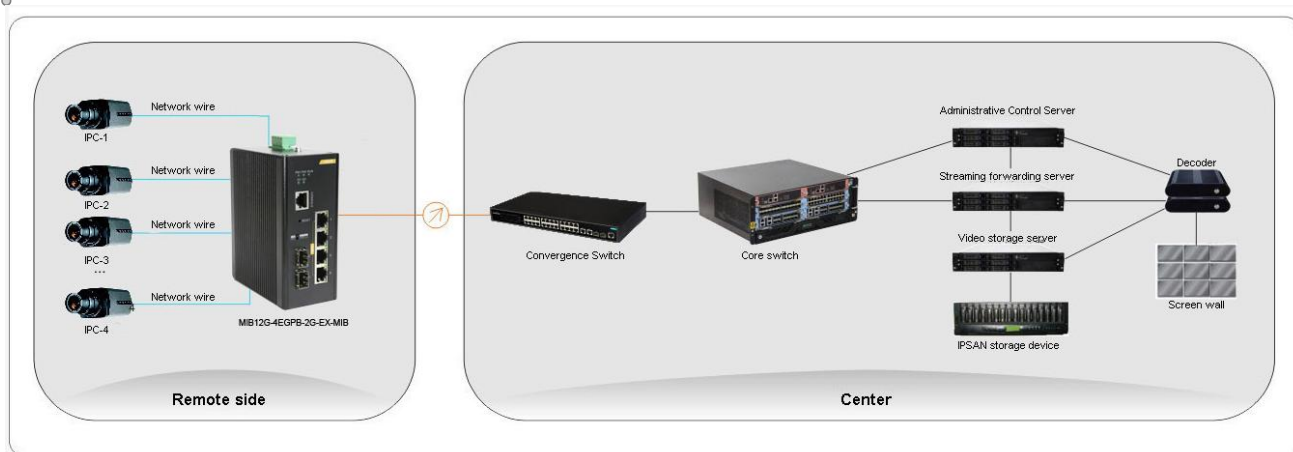
Specification

Technology	
Standards	IEEE 802.3,802.3u,802.3x, 802.3ab, 802.3z; IEEE802.1Q,802.1p,802.1D,802.1w,802.1s,802.1X,802.1ab IEEE802.3af
Protocols	Ring, MSTP, IGMP Snooping, GMRP,VLAN,PVLAN, Telnet, HTTP, HTTPS, RMON,SNMPv1/v2/v3,LLDP,SNTP,DHCP server,SSH,SSL,ACL,FTP,ARP,QoS
Interface	
Megabit Ethernet port	10/100 Base-T(X) auto-adaptive RJ45, supports Power Over Ethernet
Gigabit Fiber port	1000Base-X SFP port
Gigabit Ethernet port	10/100 /1000 Base-T(X) auto-adaptive RJ45
Console port	RS232 in RJ45 connector with console cable
Power supply for switch	5.08 industrial terminal
Power supply for POE	90-240VAC Power plug
Switching Features	
Processing Type	Store & forward, wire speed switching
Switching bandwidth	19.6Gbps
Packet forwarding speed	5.6Mpps
MAC Address	8K
Buffer Memory	384KB
Priority Queue	4
VLAN number	4K
VLAN ID	1-4096
Multicast groups	256
Software Features	
VLAN	802.1Q,Vlan(4K), Port-based VLAN, Q-in-Q
Storm Suppression	Broadcast, multicast, and unknown unicast storm suppression
Flow control	IEEE802.3X negotiation, CAR function, rate limiting step 64K
Multicast protocol	IGMPv1/2/3 Snooping
Port Management	Support port mirroring, port isolation, port trunking
DHCP Management	Support DHCP Snooping, option 82
QoS (Quality of Service)	802.1p; Support port default priority tags, at least 4 different priority queues per port
Security features	MAC address filtering, dynamic or static MAC address learning, Loop detection and Port+ IP+MAC binding
Traffic Management	Port traffic monitoring and fault event alarming
Management	SNMP v1/v2/v3, CLI,WEB
Management Access	Support Console, Telnet
System Maintenance	RMON,PDP Discovery Protocol(CDP compliant),AST
File transfer	Support Log output, configuration file backup and input
LED Indicator for	
Power, Device running status, Ethernet port connection & running status, Fiber port connection & running status	

Managed Ethernet Switch

POE Features	
POE Ports	4* 10/100Base-TX POE Ethernet ports
Power supply mode	Supply power while Power Device detected
Bridging mode	Endspan (V+ corresponds to 1,2; V- corresponds to 3,6)
AF Mode	Support IEEE802.3af confirmed PD, provide up to 15.4 Watts per port.
Power	
Input Voltage Range	DC48V1.25A(for POE) + DC12V3A (for Ethernet switch)
POE Power Consumption	AF:15.4W(each port)
Protection	Overload Current Protection; Redundancy protection
Mechanical	
Casing	Strengthened corrugated metal casing
Protection grade	IP40
Dimension(L*W*H)	129*100*56mm(h*d*w)
Installation	Din Rail
Weight	1Kg
Environmental	
Operating Temperature	-40℃～+85℃
Storage Temperature	-45℃～+85℃
Relative Humidity	5～95%,non-condensing
Industry Approvals	
EMI	FCC Part 15,CISPR(EN55022) class A
EMS	EN61000-4-2(ESD), Level 4
	EN61000-4-3(RS),Level 3
	EN61000-4-4(EFT),Level 4
	EN61000-4-5(Surge),Level 4
	EN61000-4-6(CS),Level 3
	EN61000-4-8,Level 5
Shock	IEC 60068-2-27
Free Fall	IEC 60068-2-32
Vibration	IEC 60068-2-6
Warranty	
Warranty Period	5 years for Ethernet switch (power unit with 1year warranty)

Connection Topology



Ordering Information

Available Models	Ordering Details
MIB12G-4EP-2G-MIB	802.3AF/AT,4*100M TX POE(extended to 250m)+2*1000M SFP fiber port. -40~85°C,not including power supply.
MIB12G-4EP-2G-EX-MIB	802.3AF/AT/BT,4*100M TX POE(extended to 250m)+2*1000M SFP fiber port. -40~85°C, external 65W power supply(-20~70°C).
MIB12G-4EPT-2G-EX-MIB	802.3AF/AT/BT,4*100M TX POE(extended to 250m)+2*1000M SFP fiber port. -40~85°C,external 130W power supply(-20~70°C).
MIB12G-4EP-2G-EXI-MIB	802.3AF/AT,4*100M TX POE(extended to 250m)+2*1000M SFP fiber port. -40~85°C,external MeanWell 75W power(20~70°C)
MIB12G-4EPT-2G-EXI-MIB	802.3AF/AT,4*100M TX POE(extended to 250m)+2*1000M SFP fiber port. -40~85°C,external MeanWell 120W power(20~70°C)

Optional Accessories (can be purchased separately)

- **SFP-G-3155-J** , 1Gbps SFP optical transceiver(T:1310nm/R:1550nm), single mode ,single fiber,20km
- **SFP-G-5531-J** , 1Gbps SFP optical transceiver(T:1550nm/R:1310nm), single mode ,single fiber,20km
- **SFP-G-4-4955-J** , 1Gbps SFP optical transceiver(T:1490nm/R:1550nm), single mode ,single fiber,40km
- **SFP-G-4-5549-J** , 1Gbps SFP optical transceiver(T:1550nm/R:1490nm), single mode ,single fiber,40km
- **SFP-G-6-4955-J** , 1Gbps SFP optical transceiver(T:1490nm/R:1550nm), single mode ,single fiber,60km
- **SFP-G-6-5549-J** , 1Gbps SFP optical transceiver(T:1550nm/R:1490nm), single mode ,single fiber,60km
- **OM-SFP-G-D-31-J** , 1.5Gbps SFP optical transceiver(1310nm), single mode ,dual fiber,20km
- **DR-30D12** , Din-Rail power supply, 85-264VAC/120-370VDC@12VDC , -20 to 60°C operating temperature
- **DR-120D48** , Din-Rail power supply, 88-132VAC/176-264VAC(switching) or 248-370VDC@48VDC , provide 15.4W POE, -10 to 60°C operating temperature

Package Checklist

- Ethernet switch
- Power Unit(For POE and for switch)
- Hardware installation guide(printed)
- Warranty Card

Dimension

