

MNB28G-24E-4XG

Managed 24*1000Base T(X) + 4*1000 /10000Base SFP fiber optic port Ethernet Switch



- 24* 10/100/1000Base T(X) Ethernet ports and 4*1000Base-FX or 10GE SFP fiber optic ports.
- Support Ethernet redundant Ring protocol(recovery times≤ 20ms)
- Wire speed forwarding capability of all ports make sure of non-blocking message forwarding.
- Support 802.1x authentication, VLAN, and broadcast storm suppression.
- Support IEEE/802.3x full duplex flow control and Backpressure half duplex flow control.
- Loop detection and Port+ IP+MAC binding.
- Port traffic monitoring and fault event alarming
- Support WEB visual interface, support SNMP management.
- Automatic MDI/MDI-X crossover for plug-and-play
- Overload protection and power reverse polarity protection.
- Full-loaded operating temperature range -20 to 70℃.
- 19" 1U Rack Mount installation

Introduction

HENGSION managed MNB28G-24E-4XG provides 4*1000Base-TX or 10000Base-TX fiber optic ports and 24*10/100/1000BaseT(X) Ethernet ports. No fan, low power consumption design; Support Ethernet redundant Ring protocol, 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.

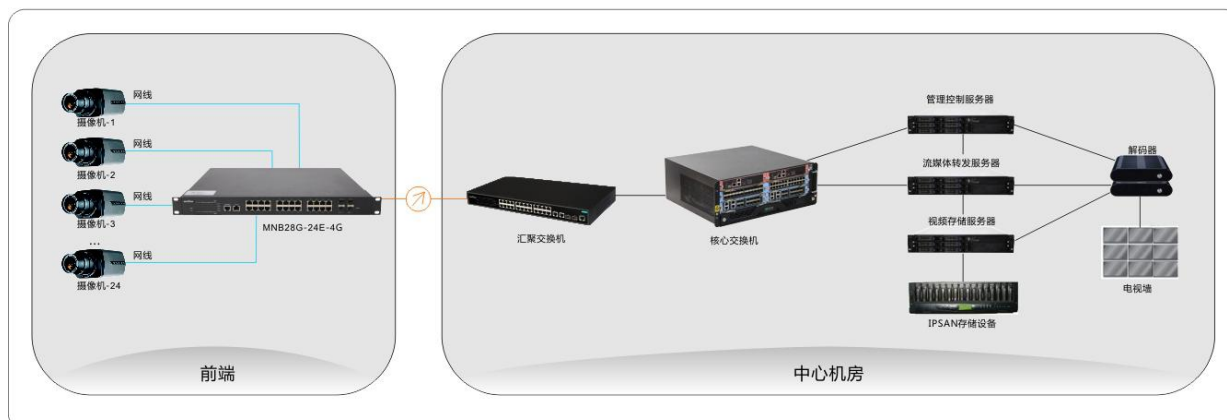
MNB28G Series has a wealth of operational features which can meet user's networking requirements of multi-service integration, security, scalability and manageability. Its wide operating temperature range and port surge protection design are ideal for application in large flow real-time outdoor environment, and are widely used for occasions including enterprise, intelligent building, cafe, community access or gathering etc., and for industries like finance, education and government etc.

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
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	
Gigabit Ethernet port	10/100/1000Base-TX auto-adaptive RJ45
Gigabit Fiber port	1000Base-X SFP fiber optic port
Console port	RS232 in RJ45 connector with console cable
10GE Fiber port	10GE SFP fiber optic port
Power port	90-264VAC @ 12VDC Power plug
Switching Features	
Processing Type	Store & forward, wire speed switching
Switching bandwidth	192Gbps
Packet forwarding speed	96Mpps
MAC Address	16K
Buffer Memory	1.5MB
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	
Power	
Input Voltage Range	90-264VAC
Idle Consumption	1.04A@12VDC(Max)

Full-load Consumption	1.86A@12VDC(Max)
Connection	Power plug
Protection	Overload Current Protection
Mechanical	
Casing	19" 1U metal casing
Protection grade	IP30
Dimension(L*W*H)	440*350*44mm
Installation	1U Rack Mount
Weight	3.125Kg
Environmental	
Operating Temperature	-20℃~+70℃
Storage Temperature	-40℃~+85℃
Relative Humidity	5~95%,non-condensing
Warranty	
Warranty Period	2 years

Connection Topology



Ordering Information

Available Models	Port Interface	
	1000/10000Base SFP FX	10/100/1000Base T(X)
MNB28G-24EG-4XG	4	24

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
- **SFP-10GE**,10Gbps SFP optical transceiver(1310nm),single mode, dual fiber,10km
- **SFP-10GE-M**,10Gbps SFP optical transceiver(850nm),multi mode, dual fiber,300m

Package Checklist

- Ethernet switch
- Power wire unit
- Hardware installation guide(printed)
- Warranty Card

Dimension

MNB28G-24E-4G外壳三维示意图

