

Product Description

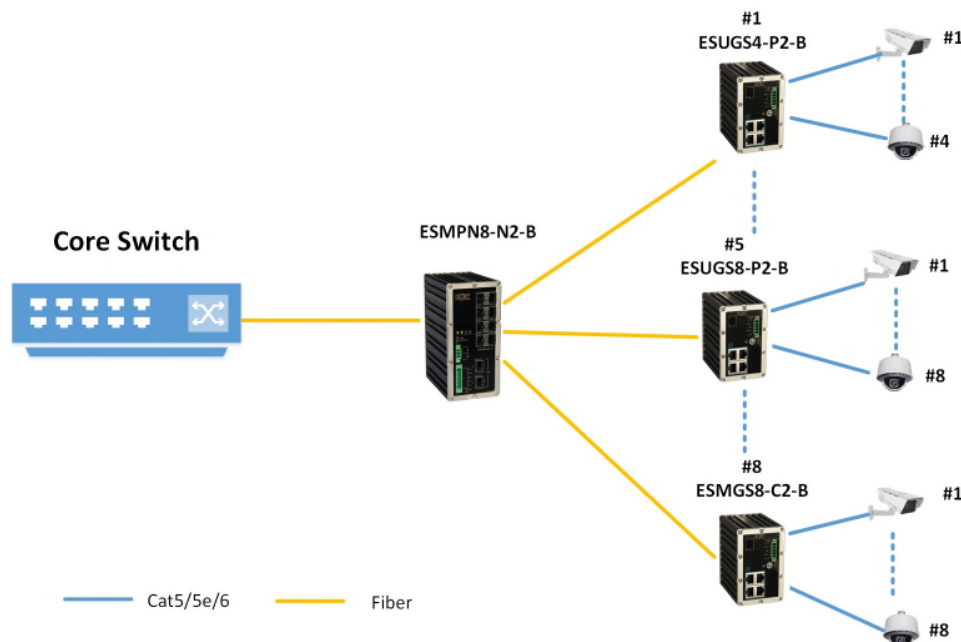
The KBC ESMPN8-N2-B Series is a high performance 10 port, industrial managed full SFP switch. It has eight 1Gbps SFP ports and two 10Gbps SFP ports. The 8*1Gbps SFP ports are compatible with KBC media converters, unmanaged & managed industrial switches with SFP ports, and other similar switches in the market. The switch supports Ethernet Ring Protection Switching (ERPS) as well as STP/RSTP/MSTP. It also supports Web-based network management, VLAN, QoS, SNMP, IGMP snooping and other network functions. LED indicators provide the connection status when using SFP option. Rugged design with IP40 enclosure and industrial level 3 ESD protection make this switch suitable for applications such as Intelligent Transportation Systems, IP surveillance applications and industrial networks. The product is available in either DIN rail or wall-mount configurations.



Product Features

- 8 *1000Base-FX SFP, 2 10GBase-FX SFP+
- EPRS (typical recovery time < 30ms over 250 units of connection)
- STP / RSTP and MSTP redundancy protocols and standards
- SNMPv1/v2c/v3 & RMON & Port base/802.1Q VLAN network management
- Management via WEB, Telnet, SSH and Console(CLI)
- Open and close port, binding MAC and port
- 802.1x network access control
- 802.1Q protocol, Isolate network flow
- Radius Centralized password management
- IGMP Snooping multicast function
- Overload current protection and reverse polarity protection
- LED displays connection status when using SFP
- IP40 enclosure protection
- Unique DIN mount design makes mounting and removal simple

Typical System Configuration



Specifications

Standards

| | |
|-------------------------|--|
| IEEE Ethernet Standards | IEEE802.3, IEEE802.3u, IEEE 802.1ab, IEEE802.3z, IEEE 802.3x, IEEE 802.3ad, IEEE 802.1d, IEEE 802.1p, IEEE 802.1q, IEEE 802.1w, IEEE 802.1s, IEEE 802.1x, IEEE 802.1ab, IEEE82.3ae |
|-------------------------|--|

Ports

| | |
|---------------------------------|---|
| 1000MBase-FX SFP ⁽¹⁾ | 8 |
| 10GBase-FX SFP ⁽¹⁾ | 2 |

Switch Performance

| | |
|-------------------|-------------------|
| Architecture | Store-and-forward |
| Bandwidth | 56Gbps |
| Buffer | 32M |
| Mac Address Table | 32K |

Management

| | |
|--------------------|--|
| Port configuration | Port enable/disable; Port rate settings; Full-duplex mode; Flow control; |
| VLAN | 4K VLAN; Port-based VLAN; 802.1Q VLAN protocol |
| Multicasting | SNMP V1/V2/V3 protocols; IGMP Snooping IGMP multicast group:1024 |

Console Port

USB(115200-8-N-1)

Mechanical

| | |
|-------------------|------------------------|
| Enclosure | IP40 |
| Dimension (W×D×H) | 68mm × 102.5mm × 146mm |
| weight | 0.9kg |

Security Feature

Enable/disable ports
MAC based port security
Port based network access control (802.1x), VLAN (802.1Q)
Radius centralized password management
SNMP v1/v2c/v3 encrypted authentication and access security

Protocols

ERPS/STP/RSTP/MSTP, SNTP, MVR, GVRP, 1588 PTP Client, DHCP Server/Client, IGMP v1/v2, GMRP, TFTP, RMON, RARP, SNMP v1/v2c/v3, HTTP, HTTPS, Telnet, SSH, Syslog, LLDP, IPv6, NTP Server/Client

Warning & Monitoring

Relay output for fault event alarming
Syslog to record and view events
Event selection support

Relay Output

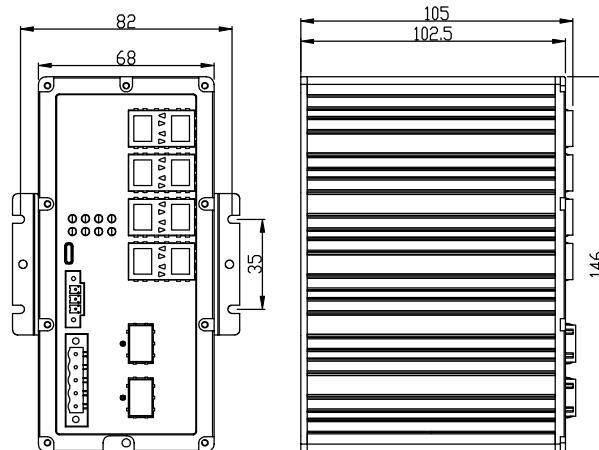
1A@24VDC NC or NO

Power⁽²⁾

| | |
|-----------------------------|------------|
| Redundant Power Input | 12 - 24Vdc |
| Power Consumption | < 30W |
| Overload Current Protection | Yes |
| Reverse polarity protection | Yes |

Environmental

| | |
|-----------------------|--------------------------|
| Operating Temperature | -40° - +75° C |
| Storage Temperature | -40° - +85° C |
| Operating Humidity | 5% to 95% non-condensing |



Order Information

ESMPN8-N2-B⁽²⁾: Managed, 8 *Gigabit SFP ports, 2*10G SFP Ports

1. SFP and SFP+ are sold separately.
2. Please select the power plug from US Standard, Euro 2 Circular, UK 3 Pin square or Australian Standard when placing order.

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