

Product Description

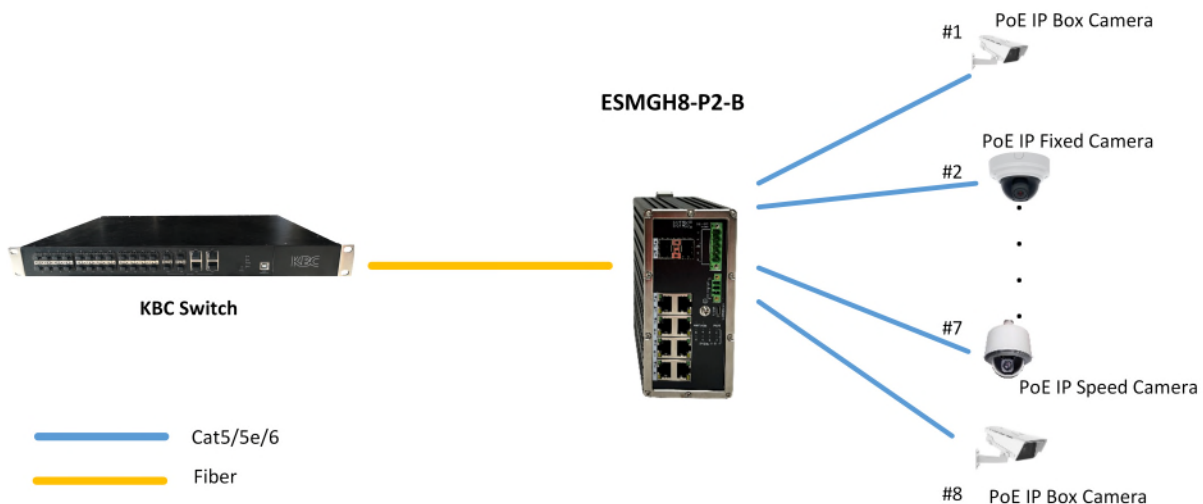
The KBC ESGH8-P2-B Series is a high-performance, managed industrial gigabit Ethernet switch with 8 x 10/100/1000M PoE ports and two gigabit SFP Ports. The eight PoE ports support IEEE802.3af/at standard. The switch supports Ethernet Ring Protection Switching (ERPS) and STP/RSTP/MSTP. It also supports Web-based network management, VLAN, QoS, SNMP, IGMP snooping and other network functions. LED indicators provide connection status when using the SFP option. The switch is rugged in design with an IP40 enclosure and industrial level 3 ESD protection. The rugged design suits harsh environment applications such as power, transportation, pipeline, petrochemical, automation industries, and IP surveillance. Unique Din mount design makes mounting and removal simple.



Product Features

- 8* 10/100/1000Base-T Ethernet ports (PoE)
- 2* 1000BASE-X SFP ports
- EPRS (typical recovery time < 30ms over 250 units of connection)
- Different redundancy protocols and standards STP / RSTP / MSTP
- SNMPv1/v2c/v3 & RMON & Port base/802.1Q VLAN network management
- WEB, Telnet, SSH, 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
- IEEE802.3af/at standard.
- Overload current protection and reverse polarity protection
- LED displays connection status when using SFP
- Level 3 ESD protection
- IP40 enclosure protection
- Unique DIN-rail design makes mount and removal easy

Typical System Configuration



Specifications

Standards

IEEE Ethernet Standards IEEE 802.3, IEEE 802.3u, IEEE 802.3ad, IEEE 802.3z, IEEE 802.3x, IEEE 802.1ab IEEE 802.1d, IEEE 802.1p, IEEE 802.1X IEEE 802.1q, IEEE 802.1w, IEEE 802.1s, IEEE 802.3af/at/bt

Ports

10/100/1000MBase-T 8
1000MBase-X SFP (1) 2

Switch Performance

Architecture Store-and-forward
Bandwidth 24Gbps

Buffer 4M
Mac Address Table 8192

PoE

Standard IEEE802.3af/at
PSE Type End-span
Power Pin Assignment 1/2 (+), 3/6 (-)
Power Output (2) Each port up to 90W (4 ports max)

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 (WxDxH) 68mm x 120.5mm x 146mm
Weight 1.5 kg

PoE Management

Total Power Consumption Control;
PoE ON/OFF; Port Output Priority

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, 1588 PTP Client, DHCP Server/Client, MVR, IGMP v1/v2, GMRP, GVRP, SNMP v1/v2c/v3, TFTP, RMON, RARP, 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 (3)

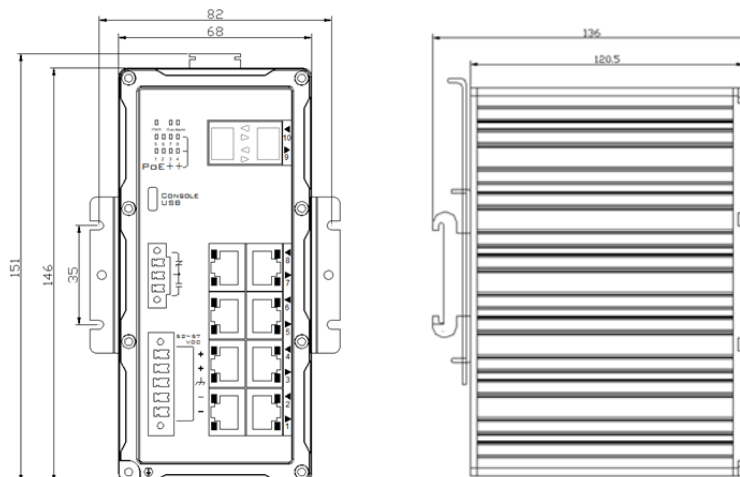
Redundant Power Input 52 ~ 57Vdc
Power Consumption < 10W (Without PoE output)
POE budget 500W
Overload Current Protection Yes
Reverse polarity protection Yes

Protection

Surge 6KV, IEC61000-4-5
ESD ESD Level 4: IEC61000-4-2
RS Level 3: IEC61000-4-3
EFT Level 4: IEC61000-4-4
CS Level 3: IEC61000-4-6

Environmental

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



Order Information

ESMGH8-P2-B: managed, POE/POE+/POE++, 8 x 10/100/1000M Base-T, 2 x Gigabit SFP

1. SFP module sold separately.
2. Power supply sold separately.

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