

EKI-2725

Compact and industrial 5-port unmanaged Ethernet switch for industrial applications



Features

- 5x Gigabit Ethernet ports with Auto MDI/MDI-X
- Supports the transmission of jumbo frames up to 9kbytes
- Redundant 12-48 VDC power supply with P-Fail relay
- Compact design and IP30 protection class
- Extended temperature range from -40°C to 75°C

EKI-2725 – 5-Port Unmanaged Gigabit Ethernet Switch for reliable network connectivity

The EKI-2725 is a high-performance, 5-port unmanaged Gigabit Ethernet switch designed for use in demanding industrial network infrastructures. With support for Gigabit Ethernet, the switch ensures fast, stable and reliable connections for your network devices and systems.

Robust design for industrial use

Thanks to its compact metal housing with IP30 protection class, the EKI-2725 protects against dust and other mechanical influences, making it ideal for use in harsh industrial environments. Designed specifically for industrial applications, the switch is perfect for factories, warehouses and other demanding environments where robust and reliable network connections are required.

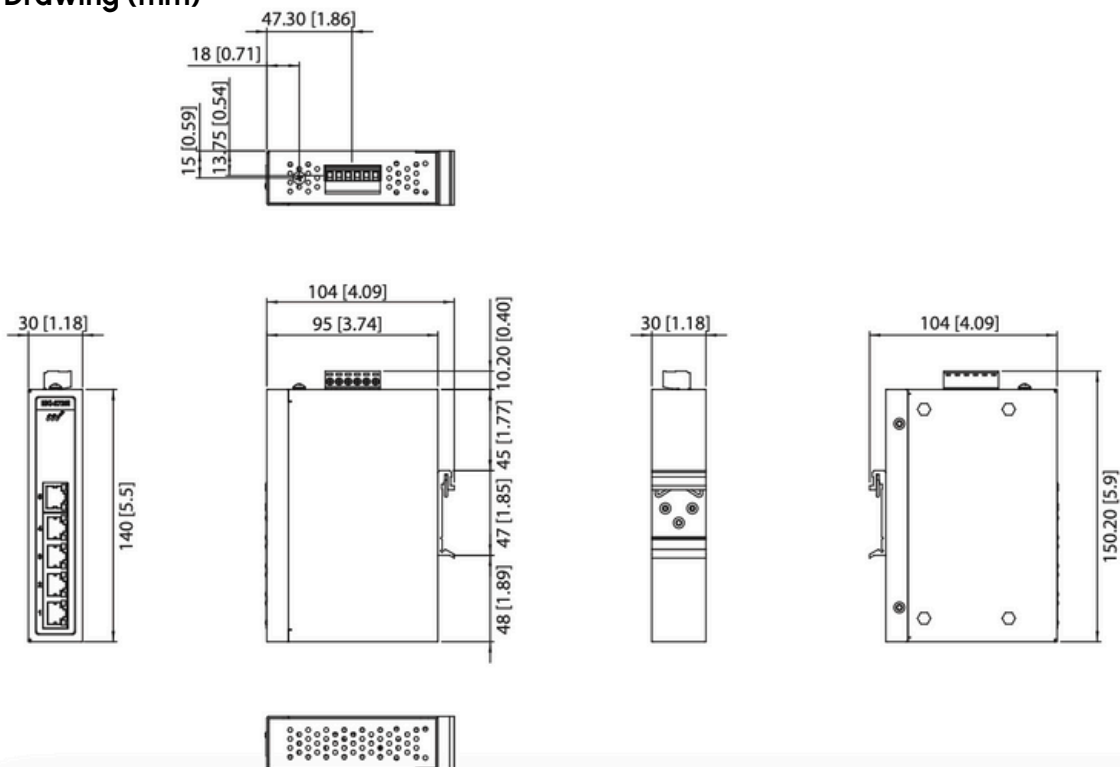
Optimized power supply for maximum operational reliability

The EKI-2725 offers a redundant power supply with a 12-48 VDC input protected by a double protection mechanism. Power Polarity Reverse Protection protects against damage caused by incorrect wiring of the power supply, while Overload Current Protection protects the system against overload. These safety functions ensure stable operation, even under difficult conditions.

Easy troubleshooting and event notifications

Each port of the EKI-2725 has two LEDs that indicate connection status, transmission speed and collision status. The integrated relay output notifies administrators in the event of a power failure or other critical event. The LED indicator allows the hardware status to be quickly checked, simplifying troubleshooting and maintenance.

Technical Drawing (mm)



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EKI-2725	
SWITCH FEATURES	
Standards	IEEE 802.3, 802.3u, 802.3x, 802.3ab
INTERFACE	
Ethernet	5x RJ-45 – 10/100BaseTx with Auto MDI/MDI-X Transmission distance up to 100m (4-wire Cat.5e, Cat.6 RJ-45 cable) Transmission speed up to 1000 Mbps
ENVIRONMENTAL	
Housing	Metal housing with robust mounting kits
Protection	Protection against overload Reverse polarity protection
MTBF	2,296,909 hours
Power Supply	12~48VDC dual redundant inputs 1x relay output 6-pin removable screw terminal (power and relay) Power consumption 2.5 Watt
Operating Temperature	Standard: -10° C ~ 60° C Extended: -40° C ~ 75° C
Storage Temperature	-40° C ~ 85° C
Vibration / Shock Resistance	Vibration: IEC60068-2-6 Shock: IEC60068-2-27 Free Fall: IEC60068-2-32
Humidity	10~95% (non-condensing)
Dimensions (W x D x H)	30 x 95 x 140mm
Mounting	DIN-rail, Wallmount
IP Rating	IP30
Certifications	EMI: CE, FCC Class A EMS: EN61000-4-2, EN61000-4-3, EN61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-8 Other: UL 62368

Ordering Information	
EKI-2725-CE	5-port Gigabit Unmanaged Switch
EKI-2725I-CE	5-port Gigabit Unmanaged Switch w/wide temp