



Product Description

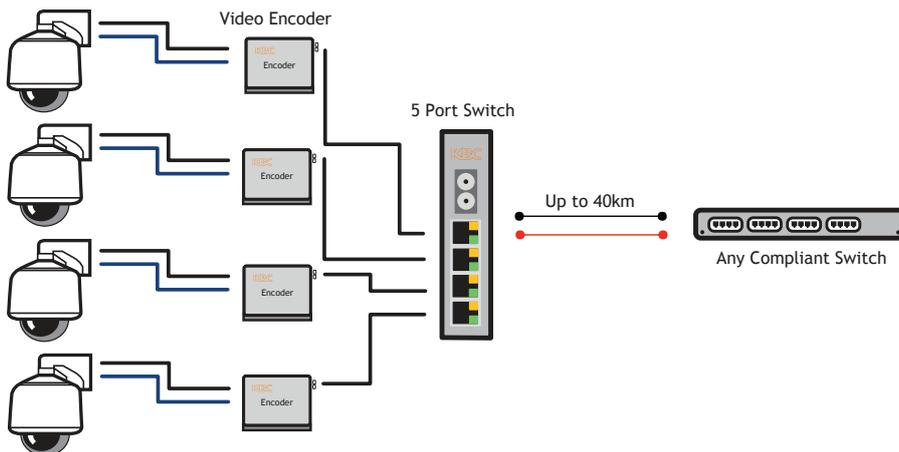
The KBC ESUL4-FL1 Ethernet series is an ultra low power, unmanaged industrial Ethernet switch designed for use in a wide range of operating temperatures in non-environmentally conditioned, industrial applications. The switch provides connectivity for up to four 10/100 Mbps twisted pair copper ports and one multimode or singlemode 100Mbps fiber port. All ports are automatically configured and the plug-and-play design provides ease and speed of installation. The series is available in either DIN rail or wall-mount configurations.



Product Features

- Low power
- Broad, dual redundant power input
- Full & half duplex operation
- MDI/MDI-X
- IP40 protection class

Typical System Configuration



Specifications

Standards

IEEE Standard	IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX & 100BASE-FX IEEE 802.3x Full Duplex
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Switch Performance

Switching Method	Store & forward
Transfer Rate	148,810 pps
Backplane Switch Capacity	1 Gbps
Mac Address Table	2k

Power

Power Input	18-72 Vdc 13-51 Vac Dual Redundant
Power Supply ⁽¹⁾	Input: 100-240 Vac Output: +24V dc
Power Consumption	<2.2W

Mechanical

Casing	IP40 protection
Dimensions (W x H x D)	30mm x 115mm x 92mm (1.18" x 4.52" x 3.6")
Weight	700g
Installation	Wall-mount or DIN rail

Environmental

Operating Temperature	-40° - +74° C / -40° - +165° F
Storage Temperature	-40° - +74° C / -40° - +165° F
Operating Humidity	5 to 95% non-condensing
Mean Time Between Failure (MTBF)	>300,000 Hours

Connectors

10/100 Electrical 100BASE-FX Power ⁽²⁾	4 x RJ45 1 x Duplex SC 5-way screw block terminal
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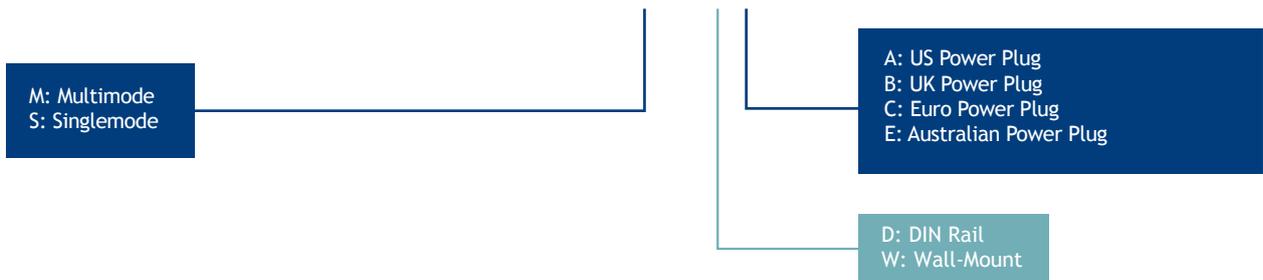
Approvals

IEC61000-4-2(ESD)	±8kV Contact discharge, ±15kV air discharge
IEC61000-4-3(RS)	10V/m, (80-2000 MHz)
IEC61000-4-4(EFT)	Power line ±4kV, Data line ±2kV
IEC61000-4-5(Surge)	N-N: 2kV N-G:4kV (1.2 / 50µs, 80/20µs)
IEC61000-4-6(CS)	Data line ±2kV 3V(10kHz - 150kHz); 10V(150kHz - 80MHz)
IEC61000-4-16 (Common Mode Conduct)	10V (150 kHz-80 MHz) 30V cont. 300V, 1s
FCC Part 15, CISPR (EN55022)	Class A
IEC61000-6-2 (Industrial Standards) EN50121-4, EN50155 (Railway Applications)	

IEC68-2-27 (Shock) duration of half sine pulse 11ms, peak acceleration 300m/s²
IEC68-2-6 (Free fall), mass 20kg:0.25m
IEC88-2-6 (Vibration) vibration amplitude: 7mm, acceleration :20-15m/s²,
frequency range : 2-9Hz, 9-200Hz, 200-500Hz

Part Number Configurator

ESUL4-FL1-S2-DA



1. Please select the power plug from US Standard, Euro 2 Circular, UK 3 Pin square or Australian when placing order.
2. Power lines are crimped and fitted to screw block connector in factory.

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