



## Product Description

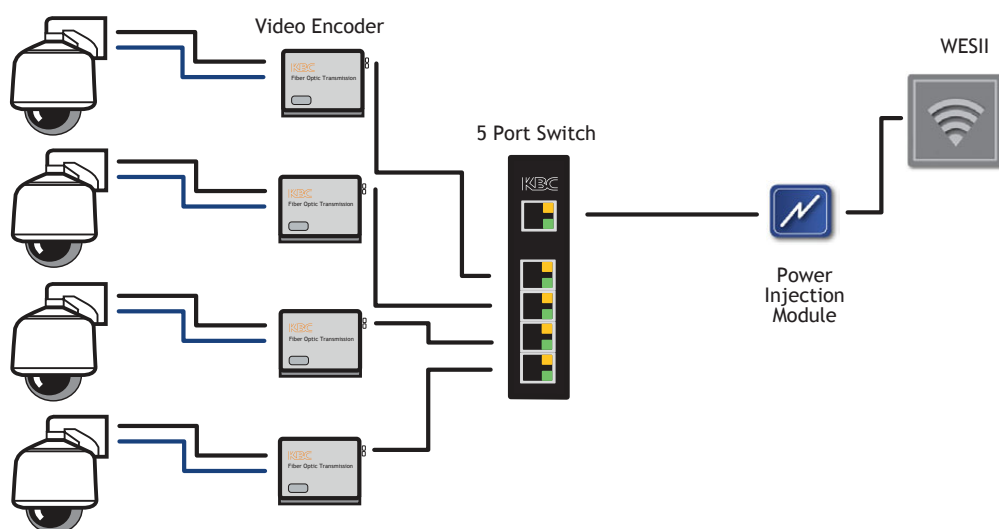
The KBC ESUL5 Ethernet series is an entry level, ultra low power, unmanaged industrial switch. The series is designed for use in a wide range of operating temperatures in non-environmentally conditioned, industrial applications. The switch provides connectivity for up to five 10/100 Mbps twisted pair copper ports which are automatically configured and, with 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 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 <sup>(1)</sup>	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

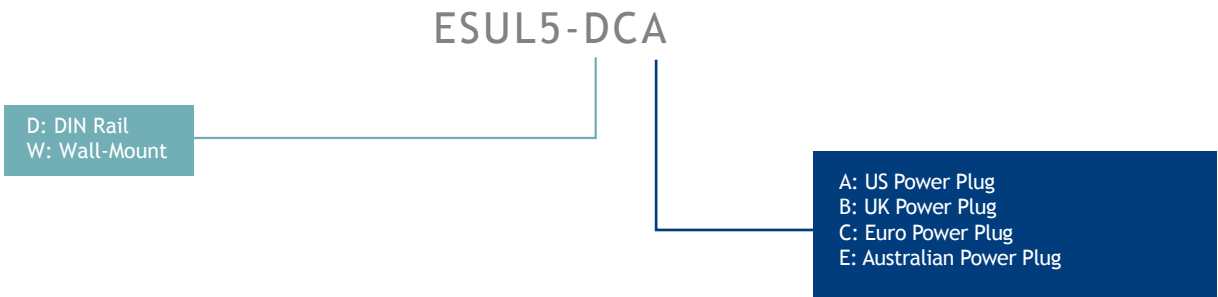
10/100 Electrical Power <sup>(2)</sup>	5 x RJ45 5-way screw block terminal
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### Approvals

IEC61000-4-2(ESD)	±8kV Contact discharge, ±15kV air discharge 10V/m, (80-2000 MHz) Power line ±4kV, Data line ±2kV N-N: 2kV N-G:4kV (1.2 / 50µs, 80/20µs) Data line ±2kV 3V (10kHz - 150kHz); 10V(150kHz - 80MHz) 10V (150 kHz-80 MHz) 30V cont. 300V, 1s
IEC61000-4-3(RS)	
IEC61000-4-4(EFT)	
IEC61000-4-5(Surge)	
IEC61000-4-6(CS)	
IEC61000-4-16 (Common Mode Conduct)	
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/s<sup>2</sup>  
IEC68-2-6 (Free fall), mass 20kg:0.25m  
IEC88-2-6 (Vibration) vibration amplitude: 7mm, acceleration: 20-15m/s<sup>2</sup>,  
frequency range : 2-9Hz, 9-200Hz, 200-500Hz

# Part Number Configurator



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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