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## 8 Port Unmanaged Fast Ethernet Industrial Ethernet Switch, Model IES 1080 EN

### Features



- ✓ 8 Port 10/100Mbps Ethernet RJ45
- ✓ 10/100Mbps Auto-negotiation, Auto-MDI-MDI-X
- ✓ LED indicators for monitoring Power/Link/Activity
- ✓ Supports 10/100Mbps-Full/Half-duplex
- ✓ Supports Wall-mount, DIN-Rail installation
- ✓ Supports Broadcast Storm Control
- ✓ 6KV Super lightning protection for the Ethernet Port
- ✓ IP40 Ingress protection.
- ✓ Excellent heat elimination without cooling fan.
- ✓ Dual DC power inputs.
- ✓ -40°C to 85°C operating temperature range.

### Specification

Interface	: 8x10/100Base-T Ethernet port
Network Protocols	: IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u, 100Base-TX/FX, IEEE802.3x
Network Media	: 10BASE-T: Cat3, 4, 5 UTP ( $\leq 100$ meter) : 100BASE-TX: Cat5 or later UTP ( $\leq 100$ meter)

### Performance

Packet Buffer Memory	: 512K
Transmission data max. support	: 1518 bytes ( Frame Size )
MAC Address Table	: 2K
10 Mbps Packet Forwarding Rate	: 14880 pps/port
100 Mbps Packet Forwarding Rate	: 148809 pps/port
Forwarding Mode	: Store-and-Forward
LED Indicators Power	: PWR, Link/ACT
MTBF	: 300,000 hours

### Power Supply

Input Power	: 12 to 48 VDC (Terminal Block), Dual Input Supply
Power Consumption	: 2W
Connectors	: 6 Pin, 2.51mm, Terminal block
Overload protection	: Yes

### Working Environment

Working temperature	: -40°C to 85°C
Storage temperature	: -45°C to 85°C
Relative Humidity	: 5%~95 % ( no condensation)

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### **Mechanicals**

Ingress Protection : IP40, Metal enclosure  
Installation : DIN-Rail or Wall mounting  
Weight : 0.6KG  
Size : 142 × 103 × 46mm (H×D×W)

### **Tested as per the Approval standards**

CE, FCC CFR47 Part 15 Class B, EN55022/CISPR22, Class A  
EMS:

IEC61000-4-2 (ESD) : ±8kV (contact), ±15kV (air)  
IEC61000-4-3 (RS) : 10V/m (80MHz-2GHz)  
IEC61000-4-4 (EFT) : Power Port: ±4kV, Data Port: ±2kV  
IEC61000-4-5 (Surge): Power Port: ±2kV/DM, ±4kV/CM, Data Port: ±2kV  
IEC61000-4-6 (CS) : 3V (10kHz-150kHz), 10V (150kHz-80MHz)  
IEC61000-4-16 (Common mode conduction): 30V (cont.), 300V (1s)  
IEC (EN) 61000-4-8  
IEC 60068-2-27(Shock)  
IEC 60068-2-32(Freefall)  
IEC 60068-2-6(Vibration)

### **Ordering Code : IES 1080 EN**

IES : Unmanaged Industrial Fast Ethernet Switch  
1080 : 8 Copper ports, 10/100Mbps  
EN : Fixed