

# EDS-205A-TL

**5-port Unmanaged Industrial Ethernet Switch, with 5-port 10/100Base-T(X)**



## Feature

- Support 5 10/100Base-T(X) Ethernet ports.
- Support IEEE802.3, IEEE802.3u, IEEE802.3x.
- Plug-and-play, 10/100Base-T(X), F/H duplex, MDI/MDI-X auto-negotiation.
- Industrial chip design, 15kV ESD protection, 8kV surge protection.
- DC10-58V redundancy power, Reverse polarity protection.
- Industrial grade 4 design, -40-85°C operating temperature.
- IP40 Rated Aluminum Alloy Housing, DIN-Rail mounted.



## Introduction

EDS-205A-TL is a smart plug-and-play industrial Ethernet switch, which can provide economical solution for your Ethernet. Its dustproof fully sealed structure(IP40 protection grade), over-current, over-voltage and EMC protected, redundant double power input as well as built-in intelligent alarm design can help system main tenancy personnel monitor the network operation, which can work reliably in harsh and dangerous environment.

EDS-205A-TL supports 5 ports 10/100Base-T(X), Full/Half duplex mode, and auto MDI/MDI-X connection. It supports CE, FCC, RoHS standard, rugged high-strength metal case, power supply input (10-58VDC). The switch support IEEE802.3/ IEEE802.3u/ IEEE802.3x with 10/100Base-T(X), full/half-duplex, and MDI/MDI-X auto-sensing, the -40 ~ 85°C working temperature, can meet all kinds of Industrial environment requirement, providing reliable and economic solution for your industrial Ethernet network.

## Specification

<b>Protocol Standard</b>	IEEE802.3, IEEE802.3u, IEEE802.3x
<b>Flow Control</b>	IEEE802.3x flow control, back press flow control
<b>Exchange Attribute</b>	Forwarding Rate: 0.744Mpps Transmission Mode: Store and Forward Packet Buffer Size: 512K System Exchange Bandwidth: 1Gbps MAC Table Size: 1K Delay Time: < 3μs
<b>Ethernet Port</b>	10/100Base-T(X) auto speed control, Half/full duplex and MDI/MDI-X auto detect
<b>LED Indicator</b>	Power Indicator: P1, P2 Port Indicator: LINK / ACT
<b>Power Supply</b>	Input Voltage: DC10-58V Connector: 4 bit 5.08mm Removable terminal block Full Load: <3W Protection Mechanism: Overload Protection / Reverse Connection Protection / Redundancy Protection
<b>Mechanical Structure</b>	Shell: IP40 protection, Aluminum-alloy shell Dimension: 118*92*30mm( L*W*H ) Weight: 500g Installation: DIN-rail mounting, wall mounting
<b>Working Environment</b>	Operating Temperature: -40 to 85°C Storage Temperature: -40 to 85°C Ambient Relative Humidity: 5% to 95% (non-condensing)
<b>Industry Standards</b>	EMI:FCC Part 15 Subpart B Class A, EN 55022 Class A EMS:EN61000-4-2 (ESD), Level 4 at 15kV(Air), 8kV(Contact) EN61000-4-3 (R/S), Level 3 at 10V/m EN61000-4-4 (EFT), Level 4 at 4kV(Power Port), 2kV(Date Port) EN61000-4-5 (Surge), Level 4 at 4kV EN61000-4-6 (CS), Level 3 at 10V/m EN61000-4-8, Level 5 at 100A/m Shock:IEC 60068-2-27 Free Fall:IEC 60068-2-32 Vibration:IEC 60068-2-6
<b>Certification</b>	CE, FCC, RoHS
<b>MTBF</b>	>100,000 Hours
<b>Warranty</b>	5-years

## Dimension

