

# EDG-6528

# EDG-6528L (New)

# EDG-6528I

**8-Port Industrial 10/100 Mbps Ethernet Switch**  
**8-port Industrial 10/100 Mbps Unmanaged Ethernet Switch**  
**8-Port Industrial 10/100 Mbps Ethernet Switch w/Wide Operating Temperature**



## Features

- Provides 8 x 10/100 Mbps Ethernet ports with RJ-45 connector
- Supports full/half duplex flow control
- Supports MDI/MDIX auto crossover
- Provides broadcast storm protection
- Embedded with a switch controller, supports auto-negotiation
- Embedded with the memory buffer, supports store-and-forward transmission
- Supports +12 ~ 48 V<sub>DC</sub> voltage
- Provides surge protection 3,000 V<sub>DC</sub> for power line
- Supports 4000 V<sub>DC</sub> Ethernet ESD protection (6528 and 6528I only)
- Provides flexible mounting: DIN rail and panel-mounting
- Supports wide-range operating temperature: -40 ~ 85° C (EDG-6528I)
- Supports two individual power sources (6528 and 6528I only)

## Introduction

EDG-6528 is an industrial-grade Ethernet switch that realizes fast and cost-effective expansion of industrial networks. EDG-6528 has eight 10/100 Mbps Ethernet ports for connection with up to eight Ethernet devices. Moreover, EDG-6528 has industrial-grade design that assures high reliability and stability. Therefore, EDG-6528 is an excellent solution for industrial environments with Ethernet networking, such as semi-conductor factories, inventory control environments, assembly lines and production.

EDG-6528 includes a switch controller that can automatically sense transmission speeds. (10/100 Mbps) The RJ-45 interface can also be auto-detected, so MDI or MDIX is automatically selected and a cross-over cable is not required. All Ethernet ports have memory buffers that support the store-and-forward mechanism. This assures that data can be transmitted properly.

The EDG-6528 is extremely compact and can be mounted on a DIN-rail or a panel, so it is suitable for any space-constrained environment. The power line of EDG-6528 supports up to 3,000 V<sub>DC</sub> surge protection, which secure equipment against unregulated voltage and make systems safer and more reliable.

For extreme operating temperatures, the EDG-6528I covers a range between -40° and 85° C. With such a wide range you can use the EDG-6528I in some of the harshest industrial environments that exist.

The LED indicators make troubleshooting quick and easy. Each port has a couple of LEDs that display the link status, power failure, and port activity for immediate on-site diagnostics.

## Specifications

### Communications

- Standard** IEEE 802.3, 802.3u, 802.3x
- LAN** 10/100 Base-TX
- Transmission Distance** 100 m (Ethernet)
- Transmission Speed** up to 100 Mbps

### Interface

- Connectors** 8 x RJ-45
- LED Indicators**
  - EDG-6528/6528I:** PWR, P1, P2, FAULT, LINK, 10/100 Mbps
  - EDG-6528L:** PWR, LINK, 10/100 Mbps

### Power

- Power Connectors** 5-pin removable screw terminal
- Power Consumption** Max. 3.1 W
- Power Input** EDG-6528, EDG-6528L: 2 x Unregulated 12~48 V<sub>DC</sub>  
EDG-6528L: 1 x Unregulated 12~48 V<sub>DC</sub>

- Fault Output** Present (6528 and 6528I only)

### Mechanism

- Dimensions (WxHxD)** 56 x 134 x 114 mm
- Enclosure** IP30, Metal shell with PC side panel (mounting kits included)
- Mounting** DIN 35 rail, wall

### Protection

- ESD Protection** 4,000 V<sub>DC</sub> (Ethernet) (6528 and 6528I only)
- Surge Protection** 3,000 V<sub>DC</sub> (Power)
- Power Reversal Prt.** Present

### Certifications

- Safety** UL 60950-1, CAN/CSA-C22.2 No.60950
- EMC** U.S.A.: FCC Part 15 CISPR 22  
EU: EN55011  
EN55022 Class A,  
EN61000-3-2/3  
EN55024  
IEC61000-4-2/3/4/5/6/8/11

### Environment

- Operating Humidity** 20~95% (non-condensing)
- Operating Temperature** EDG-6528, EDG-6528L: 0 ~ 70° C (32 ~ 158° F)  
EDG-6528I: -40 ~ 85° C (-40 ~ 185° F)
- Storage Humidity** 0~95% (non-condensing)
- Storing Temperature** EDG-6528, EDG-6528L: -10~80° C (14~176° F)  
EDG-6528I: -50~95° C (-58~203° F)
- MTBF** 1,260,000 hrs

## Ordering Information

- EDG-6528** 8-Port Industrial 10/100 Mbps Ethernet Switch
- EDG-6528L** 8-port Industrial 10/100 Mbps Unmanaged Ethernet Switch
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