

# EDG-6528

# EDG-6528I

## 8-Port Industrial 10/100 Mbps Ethernet Switch

## 8-Port Industrial 10/100 Mbps Ethernet Switch w/Wide Operating Temperature

NEW



### 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 3000 V<sub>DC</sub> for power line
- Supports 4000 V<sub>DC</sub> Ethernet ESD protection
- Provides flexible mounting: DIN rail and panel-mounting
- Supports wide-range operating temperature: -40 ~ 85° C (EDG-6528I)
- Supports two individual power sources

### 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

- **Interfaces** Network 10/100Base-Tx standard
- **Ports** 8 x 10/100 Mbps (RJ-45)
- **Connectors** 8 x RJ-45
- **Compatibility** 1EEE 802.3, IEEE 802.3u
- **Surge Protection** 3000 V<sub>DC</sub> (Power)
- **ESD Protection** 4000 V<sub>DC</sub> (Ethernet)
- **LEDs** Power, LINK, 10/100Mbps
- **Transmission Distance** 100 m (Ethernet)
- **Power Requirement** Unregulated +12 ~ 48 V<sub>DC</sub> (2 individual power sources)
- **Case** Aluminum with mounting hardware
- **Mounting** DIN-rail, panel
- **Operating Temperature** EDG-6528: 0 ~ 70° C  
EDG-6528I: -40 ~ 85° C
- **Operating Humidity** 20~95% (non-condensing)

### Ordering Information

- **EDG-6528** 8-Port Industrial 10/100 Mbps Ethernet Switch
- **EDG-6528I** 8-Port Industrial 10/100 Mbps Ethernet Switch w/wide-operating temperature