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_{DC} voltage
- Provides surge protection 3,000 V_{DC} for power line
- Supports 4000 V_{DC} 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)

CE FCC cULus LISTED E180801 I.T.E.

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_{DC} 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-6528I: 2 x Unregulated 12 ~ 48 V_{DC}
                          EDG-6528L: 1 x Unregulated 12 ~ 48 V_{DC}
- **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_{DC} (Ethernet) (6528 and 6528I only)
- **Surge (EFT) Protection** 3,000 V_{DC} (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

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