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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# ADAM-6520 Series

5-port 10/100 Mbps  
Industrial Ethernet  
Switches



## Features

- Supports full/half duplex flow control
- Supports MDI/MDI-X auto crossover
- Provides broadcast storm protection
- Embedded with a switch controller, supports auto-negotiation
- Supports +10 ~ 30 V<sub>DC</sub> voltage power input
- Provides surge (EFT) protection 3,000 V<sub>DC</sub> for power line (ADAM-6520L not equipped)
- Supports 4,000 V<sub>DC</sub> Ethernet ESD protection (ADAM-6520L not equipped)
- Provides flexible mounting: DIN-rail, Wall, Stack
- Supports wide operating temperature range : -40 ~ 85° C (ADAM-6520I)

## Introduction

ADAM-6520 is a 5-port industrial-grade switch with Ethernet connectivity and from 10 to 100 Mbps transfer rates. (Auto-negotiation). Just like any other product in the ADAM family, ADAM-6520 can be mounted in three different ways: DIN rail, Wall and Stack. Solid industrial-grade design assures reliable operation in common application areas like: semi-conductor factories, inventory control environments, assembly lines, manufacturing and many more.

All modules support a wide voltage range of +10 ~ 30 V<sub>DC</sub> over the terminal block, and 3,000 V<sub>DC</sub> surge (EFT) protection ensures that over-voltage is no concern. The wide operating temperature of ADAM-6520 goes from -10 ~ 70°, while ADAM-6520I from -40 ~ 85°. This permits them to be functional in harsh environments.

The six inclusive LED indicators make troubleshooting of the modules easier. Each port has a pair of LEDs that indicate link status and port activities. This easily informs users of any collisions, the link status, power failure and data receipts for immediate on-site diagnosis.

## Specifications

### Communications

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

### Interface

- **Connectors** 5 x RJ-45  
2-pin removable screw terminal (power)
- **LED Indicators** Power, Link/Speed

### Power

- **Power Consumption** ADAM-6520L: Max. 3W  
ADAM-6520/6520I: Max. 2.4 W
- **Power Input** 1 x Unregulated 10 ~ 30 V<sub>DC</sub>

### Mechanism

- **Dimensions (W x H x D)** 70 x 102 x 27 mm
- **Enclosure** IP30, ABS+PC with solid mounting kits
- **Mounting** DIN 35 rail, Wall, Stack

### Protection

- **ESD (Ethernet)** 4,000 V<sub>DC</sub> (ADAM-6520L not equipped)
- **Surge (EFT for power)** 3,000 V<sub>DC</sub> (ADAM-6520L not equipped)

### Environment

- **Operating Temperature**  
ADAM-6520 : -10 ~ 70° C (14 ~ 158° F), Stack : -10 ~ 60° C (14 ~ 140° F)  
ADAM-6520L : 0 ~ 60° C (32 ~ 140° F), Stack : 0 ~ 50° C (32 ~ 122° F)  
ADAM-6520I : -40 ~ 85° C (-40 ~ 185° F), Stack : -40 ~ 75° C (-40 ~ 167° F)
- **Storage Temperature**  
ADAM-6520 : -20 ~ 80° C (-4 ~ 176° F)  
ADAM-6520L : -10 ~ 70° C (14 ~ 158° F)  
ADAM-6520I : -50 ~ 95° C (-58 ~ 203° F)
- **Operating Humidity** 20 ~ 95 % (non-condensing)
- **Storing Humidity** 0 ~ 95 % (non-condensing)
- **MTBF** 1,580,000 hrs

### Certifications

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

## Ordering Information

- **ADAM-6520** 5-port 10/100 Mbps Industrial Ethernet Switch
- **ADAM-6520L** 5-port 10/100 Mbps Industrial Unmanaged Ethernet Switch
- **ADAM-6520I** 5-port 10/100 Mbps Industrial Ethernet Switch w/Wide Operating Temperature