

# ADAM-6521

# ADAM-6521S (New)

**Industrial Switch with 4  
10/100 Mbps Ethernet Ports  
& 1 Multi-mode Fiber Port**

**Industrial Switch with 4  
10/100 Mbps Ethernet Ports  
& 1 Single-mode Fiber Port**



## Features

- Provides 4 x 10/100 Mbps Ethernet ports with RJ-45 connector
- Provides 1 x 100 Mbps multi/single-mode fiber port with SC/ST connector
- Supports full/half duplex flow control
- Supports Integrated Loop-up engine
- Supports MDI/MDI-X auto crossover
- Provides broadcast storm protection
- Supports +10~ 30 V<sub>DC</sub> voltage power input
- Provides surge protection 3,000 V<sub>DC</sub> for power line
- Supports 4,000 V<sub>DC</sub> Ethernet ESD protection
- Provides flexible mounting: DIN-rail, panel, piggyback
- Supports operating temperatures from -10 ~ 65° C

## Introduction

ADAM-6521 and ADAM-6521S are industrial-grade Ethernet switch with a fiber optic port that makes it possible to expand industrial networks fast and cost-effectively. ADAM-6521 and ADAM-6521S of 1 fiber port and 4-RJ-45 ports. With fiber optics, you can prevent noise interfering with your system and implement transmission distances up to 15 km.

ADAM-6521 and ADAM-6521S are especially suited for industrial environments with Ethernet networking needs such as: semi-conductor factories, inventory control environments, assembly line and production and more.

Like other products in the ADAM® family, ADAM-6521 and ADAM-6521S can be mounted in three different ways: DIN rail, panel and piggyback, suitable for any industrial environment.

ADAM-6521 and ADAM-6521S support a wide voltage range of +10 ~ 30 V<sub>DC</sub> over the terminal block, and 3,000 V<sub>DC</sub> surge protection to protect it from being damaged by over-voltage. A wide operating temperature range from -10 to 65° C (14 ~ 149° F), makes it functional in harsh operating environments.

This six inclusive LED indicators make troubleshooting the ADAM-6521 and ADAM-6521S easier. Each port has a pair of LEDs that indicate link status and transmission speed. This

## Specifications

### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-T, 100Base-FX
- **Transmission Distance** Ethernet: 100 m  
Fiber  
ADAM-6521: 2 km  
ADAM-6521/ST: 2km  
ADAM-6521S: 15 km
- **Transmission Speed** Ethernet : up to 100 Mbps  
Fiber : 100 Mbps

### Interface

- **Connectors** 4 x RJ-45, 1 x SC type fiber connector (ADAM-6521, ADAM-6521S) or 1 x ST type fiber connector (ADAM-6521/ST)
- **LED Indicators** Power, Link (100Base-FX), 100/10M (Ethernet)

### Power

- **Power Connectors** 2-pin removable screw terminal
- **Power Consumption** ADAM-6521: Max.3 W  
ADAM-6521/ST: Max.3W  
ADAM-6521S: Max.4 W
- **Power Input** Unregulated 10 ~ 30 V<sub>DC</sub>

### Mechanism

- **Dimensions(W x H x D)** 70 x 112 x 27 mm
- **Enclosure** IP30, ABS+PC with solid mounting hardware
- **Mounting** DIN 35 rail, stack, wall

### Protection

- **ESD Protection** 4,000 V<sub>DC</sub> (Ethernet)
- **Surge Protection** 3,000 V<sub>DC</sub> (Power)

### Environment

- **Operating Temperature** -10~65° C (14~149° F)  
stack : -10~60° C (14~140° F)
- **Storage Temperature** -20~80° C (-4~176° F)
- **Operating Humidity** 20~95% (non-condensing)
- **Storage Humidity** 0~95% (non-condensing)
- **MTBF** 1,150,000 hrs

### 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

## Ordering Information

- **ADAM-6521** Industrial Switch with 4 10/100 Mbps Ethernet Ports & 1 Multi-mode SC Type Fiber Optic Port
- **ADAM-6521/ST** Industrial Switch with 4 10/100 Mbps Ethernet Ports & 1 Multi-mode ST Type Fiber Optic Port
- **ADAM-6521S** Industrial Switch with 4 10/100 Mbps Ethernet Ports & 1 Single-mode SC Type Fiber Optic Port