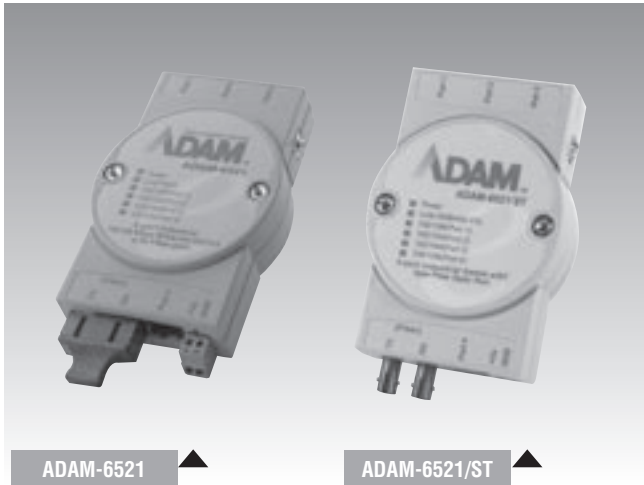


# ADAM-6521 Series

**Industrial Ethernet  
Switches with 4 x  
10/100Base-TX Ports  
& 1 x 100Base-FX  
Fiber Optic Port**



ADAM-6521

ADAM-6521/ST



## 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
- Supports 4,000 V<sub>DC</sub> Ethernet ESD protection
- Provides flexible mounting: DIN-rail, Wall, Stack
- 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.

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 (EFT) 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. They also have six inclusive LED indicators which make troubleshooting the ADAM-6521 and ADAM-6521S easier. Each port has a pair of LEDs that indicate link status and transmission speed. This function conveniently informs users of any collisions, the link status, power failure and data receipts for immediate on-site diagnostics.

## Specifications

### Communications

- **Standard** IEEE 802.3, 802.3u, 802.3x
- **LAN** 10/100Base-T, 100Base-FX
- **Transmission Distance** Ethernet : Up to 100 m  
Multi-mode Fiber : Up to 2 km  
(ADAM-6521, ADAM-6521/ST)  
Single-mode Fiber : Up to 15 km (ADAM-6521S)
- **Transmission Speed** Up to 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)  
2-pin removable screw terminal (power)
- **LED Indicators** Power, Link (100Base-FX), 100/10M (Ethernet)

### Power

- **Power Consumption** ADAM-6521, ADAM-6521/ST: Max. 3 W  
ADAM-6521S: Max. 4 W
- **Power Input** 1 x 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 kits
- **Mounting** DIN 35 rail, Wall, Stack

### Protection

- **ESD (Ethernet)** 4,000 V<sub>DC</sub>
- **Surge (EFT for power)** 3,000 V<sub>DC</sub>

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

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Ethernet Modules](#) category:*

*Click to view products by [Advantech](#) manufacturer:*

Other Similar products are found below :

[1026937](#) [1026932](#) [M38510/00302BCA](#) [70001610](#) [70001634](#) [850-15633](#) [PD-AS-951/12-24](#) [GX-OC1601](#) [1402407](#) [I210T1](#) [I350T4V2](#)  
[SBL2EX](#) [SL170115](#) [GX-OD1612](#) [CPTS-4R4E-R](#) [TDKEZW3](#) [I350F2](#) [I350F2BLK](#) [I350T2V2](#) [V23993-USB1029A](#) [100-POE4](#) [105FX-ST](#)  
[105TX-SL](#) [SEG305-T](#) [70001992](#) [70001993](#) [708TX](#) [854-19720](#) [I350T4V2BLK](#) [I350T2V2BLK](#) [I210T1BLK](#) [PD-OUT/MBK/S](#) [SX-BR-](#)  
[4600WAN2-US](#) [W4S105C](#) [X710DA4FHBLK](#) [I350T2V2BLK](#) [936714](#) [GX-ID1611](#) [3G8F7-DRM21-E](#) [EKI-2525I-BE](#)  
[BCM53426A0KFSBG](#) [PCM-24R2GL-AE](#) [96NIC-1G4P-PE-IN2](#) [0.70001777](#) [BCM53402A0KFSBG](#) [105FXE-SC-15-POE](#) [PD-OUT/MBK/G](#)  
[856-15410](#) [X520QDA1](#) [BCM84794A1KFSBG](#) [X520DA2OCP](#)