# **ADAM-6521 Series**

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



## **Features**

- Provides4x10/100MbpsEthernetportswithRJ-45connector
- Provides1x100Mbpsmulti/single-modefiberportwithSC/ST connector
- Supports full/half duplex flowcontrol
- 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  $+10 \sim 30 \text{ V}_{DC}$  over the terminal block, and  $3,000 \text{ V}_{DC}$  surge (EFT) protection to protect it from being damaged by over-voltage. A wide operating temperature range from -10 to 65° C (14  $\sim 149^{\circ}$  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-modeFiber:Upto15km(ADAM-6521S)

■ Transmission Speed Up to 100 Mbps

#### Interface

■ Connectors 4xRJ-45,1xSCtypefiberconnector(ADAM-6521,

ADAM-6521S) or 1 x ST type fiber connector

(ADAM-6521/ST)

2-pin removable screw terminal (power) 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

LED Indicators

■ 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  $-10 \sim 65^{\circ} \text{ C} (14 \sim 149^{\circ} \text{ F})$ 

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

U: EN55011, EN61000-6-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 4x10/100Base-TX Ports & 1 Multi-mode SC Type Fiber Optic Port

ADAM-6521/ST Industrial Ethernet Switch with 4x10/100Base-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

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