ADAM-6520 Series

5-port 1/100 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 DC voltage power input
- Provides surge (EFT) protection 3,000 V DC for power line (ADAM-6520L not equipped)
- Supports 4,000 VDC Ethernet ESD protection (ADAM-6520L not equipped)
- Provides flexible mounting: DIN-rail, Wall, Stack
- Supports wide operating temperature range: -40 – 85°C (ADAM-6520II)

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 VDC over the terminal block, and 3,000 VDC surge (EFT) protection ensures that over-voltage is no concern. The wide operating temperature of ADAM-6520 goes from -10 – 70°, while ADAM-6520L 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 100 Mbps

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-6520/6520II: Max. 2.4 W
- Power Input: 1 x Unregulated 10 – 30 VDC

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 VDC (ADAM-6520L not equipped)
- Surge (EFT for power): 3,000 VDC (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-6520II: -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-6520II: -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
  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 1/100 Mbps Industrial Ethernet Switch
- ADAM-6520L: 5-port 1/100 Mbps Industrial Unmanaged Ethernet Switch
- ADAM-6520II: 5-port 1/100 Mbps Industrial Ethernet Switch w/Wide Operating Temperature