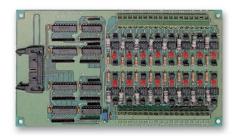


# Terminal Board with 16-CH Isolated Digital Inputs



## **Specifications**

- Isolated Digital Input
  - Number of Channels: 16
  - Maximum Input Range: 24 V, non-polarity
  - Digital Logic Levels
  - ♦ 0 to 24 V, non-polarity
  - \* Input High Voltage: 5 to 24 V
  - \* Input Low Voltage: 0 to 0.7 V
  - $\blacklozenge$  Input Resistance: 560  $\Omega$  @ 1 W
  - ♦ Isolation Voltage: 2500 VRMS
- I/O Connector: 20-pin ribbon male
- Operating Temperature: 0°C to +60°C
- Storage Temperature: -20°C to +80°C
- Relative Humidity: 5% to 95%, non-condensing
- Dimensions: 205 mm x 114 mm

## Ordering Information

## ■ ACLD-9182A-01

Terminal board with 16-CH isolated digital inputs

#### Accessories

Cabling

ACL-10120-1: 20-pin flat cable, I M

ACL-10220-1: 20-pin shielded and grounded cable, 1 M

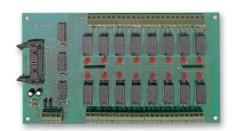
Contact your sales representative for cable length options.

## **Features**

- 16-CH opto-isolated digital inputs
- For use with 20-pin ribbon digital input connector of NuDAQ cards
- Non-polarity digital input range
- Isolated input voltage up to 24 V
- 5000 V<sub>RMS</sub> optical isolation
- Jumper configurable for voltage input or dry-contact input mode
- LED indicator for input status
- Screw terminals for easy field wiring

# ACLD-9185-01

# Terminal Board with 16-CH Relay Outputs



## **Features**

- 16-CH single-pole, double-throw (SPDT form C) relay outputs
- For use with 20-pin digital input connector of NuDAQ cards
- Maximum switching voltage up to 60 Vpc/120 Vac
- Maximum switching current up to I ADC/AC
- Onboard relay driver circuitry
- **LED** indicators for relay status
- Screw terminals for easy field wiring

# **Specifications**

- Relay Output
  - Number of Channels: 16
  - Relay Type: SPDT (Form C)
  - Isolation Voltage: I 500 VRMS
  - Contact Rating
  - ♦ AC: 120 V @ 0.5 A
  - ♦ DC: 24 V @ I A
  - Breakdown Voltage: 1000 VRMS
  - Contact Resistance:  $100 \text{ m}\Omega$
  - Relay ON/OFF time
  - ♦ Operate Time: 6 ms
  - ♦ Release Time: 3 ms
  - LED Indicators for Relay Status: one per channel
  - Expected Life:
  - $ightharpoonup > 5 \times 10^5$  operations @ I A, 24 VDC
  - $ightharpoonup > 2 \times 10^5$  operations @ 0.5 A, I20 VAC
- I/O Connector: 20-pin ribbon male
- Operating Temperature: 0°C to +60°C
- Storage Temperature: -20°C to +80°C
- Relative Humidity: 5% to 95%, non-condensing
- Power Consumption:

+5 V	+12 V
200 mA maximum	528 mA maximum

Dimensions: 205 mm x 114 mm

# Ordering Information

#### ■ DIN-96DO-01

96-CH isolated DO terminal board with DIN-rail mounting

## ■ Accessory

Cabling

ACL-102100-1: 100-p in SCSI-II cable, 1 M

Contact your sales representative for cable length options.