iDAQ-934

4-slot USB 3.0 Industrial DAQ Chassis Module



Features

- USB 3.0 SuperSpeed
- Built-in USB hub
- Wide range power input
- LED status indicators
- Physical ID switch for multiple module identification
- 4 iDAQ slots
- 2 programmable function pin for timing signal (trigger, clock) input/output

Specifications

Analog Input

Please refer to the specifications of individual iDAQ analog input module

Analog Output

Please refer to the specifications of individual iDAQ analog input module

Digital Input

Please refer to the specifications of individual iDAQ analog input module

Digital Output

Please refer to the specifications of individual iDAQ analog input module

Counter

Please refer to the specifications of individual iDAQ analog input module

Programmable Function Pin

- **Channels** BNC x 2
- **Direction** Input or output, software configurable
- **Input level** Logic high: +3.5 V min.
Logic low: +1.5 V max.
- **Input protection voltage** +6.5 V max, -0.5 V min.
- **Pull-down resistor** 10 kΩ
- **Input signal frequency** 10 MHz max.
- **Response time** 20 ns max.
- **Debounce filter** 40 ns ~ 168 ms, software configurable
- **Output logic level** Logic high: +4.5 V min., 20 mA source max.
Logic low: +0.5 V max., 20 mA sink max.

USB Communication

- **Interface** SuperSpeed USB 3.0
- **Data transfer rate** 5 Gbps max.
- **USB upstream port** 1 port
- **USB downstream port** 1 port

Power Requirement

- **Power Input** 10~30 V_{DC}
- **Power Consumption** 24 W max., including modules and USB downstream port loads
- **Power consumption from USB** 100 µA max.
- **Power connector** 2-pin spring terminal

Mechanical

- **Module dimensions** 178 x 100 x 71 mm (7.01 x 3.93 x 2.80 in.)
- **Weight** 680 g
- **Installation** DIN Rail/Wall Mount

Environment

- **Operating temperature** -20 °C to 60 °C (-4 °F to 140 °F)
- **Storage temperature** -40 °C to 70 °C (-40 °F to 158 °F)
- **Operating humidity** 10% to 90% RH, non-condensing
- **Storage humidity** 5% to 95% RH, non-condensing
- **Vibration** $5G_{rms}$
- **Shock** 30G
- **Indoor use only**

Certification

- **EMC** CE, FCC
- **Safety** CB, UL

Ordering Information

- **IDAQ-934-AE** 4-slot USB 3.0 iDAQ Chassis Module

Optional Accessories

- **PCL-1010B-1E** BNC Coax Cable, 1m
- **PSD-A40W12** DIN Rail AC to DC 100-240V 40W 12V
- **PSD-A40W24** DIN Rail AC to DC 100-240V 40W 24V

iDAQ Modules*

- **iDAQ-731-AE** 16-ch IDI and 16-ch Universal IDO iDAQ Module
- **iDAQ-751-AE** 48-ch TTL DIO iDAQ Module
- **iDAQ-763D-AE** 16-ch SSR iDAQ Module
- **iDAQ-801-AE** 4-ch, 24-bit, 256kS/s/ch, DSA iDAQ Module
- **iDAQ-815-AE** 4-ch, 24-bit, 400S/s/ch, RTD iDAQ Module
- **iDAQ-817-AE** 8-ch, 16-bit, 200kS/s, Analog Input iDAQ Module
- **iDAQ-821-AE** 4-ch, 16-bit, 10kS/s/ch, Analog Output iDAQ Module
- **iDAQ-841-AE** 8-ch, 16-bit, 1MS/s/ch, Analog Input iDAQ Module

* For detail specification of each module, please refer to the datasheet or user manual of each model respectively.

All product specifications are subject to change without notice.
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