

iDAQ-964

4-slot Industrial DAQ Chassis Module for AMAX-5000 Controllers



Features

- PCIe interface connecting to AMAX-5000 series controllers
- LED status indicators
- 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 k Ω
- **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.

Power Requirement

- **Power Input** 3.3V and 12V via PCI express BUS from AMAX controller
- **Power Consumption** 24 W max., including modules

Mechanical

- **Module dimensions** 139.5 x 84.2 x 100 mm (5.49" x 3.31" x 3.94")
- **Weight** 720 g
- **Installation** DIN Rail Mount

Environment

- **Operating temperature** -10 to 60° C (-4 to 140° F)
- **Storage temperature** -40 to 85° C (-40 to 185° F)
- **Operating humidity** 10% to 90% RH, non-condensing
- **Storage humidity** 5% to 95% RH, non-condensing
- **Vibration** 1 G_{rms}, random, 5 ~ 500 Hz, 1hr/axis
- **Shock** 10G, half sine, 11 ms

Certification

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

Ordering Information

- **IDAQ-964-AE** 4-slot iDAQ Chassis Module for AMAX-5000

Optional Accessories

- **PCL-1010B-1E** BNC Coax Cable, 1m

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

AMAX Controllers*

- **AMAX-5580-C3000A** PC-based Controller Celeron 3955U, 4G DDR4
- **AMAX-5580-54000A** PC-based Controller CORE I5 6300U, 8G DDR4
- **AMAX-5580-74000A** PC-based Controller CORE I7 6600U, 8G DDR4

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