

# 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

Vertrieb durch



**AMC – Analytik & Messtechnik GmbH Chemnitz**

Heinrich-Lorenz-Str. 55 Tel.: +49/371/38388-0  
09120 Chemnitz Fax: +49/371/38388-99  
E-Mail: info@amc-systeme.de Web: www.amc-systeme.de

## 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 $\Omega$
- **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<sub>rms</sub>, 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.