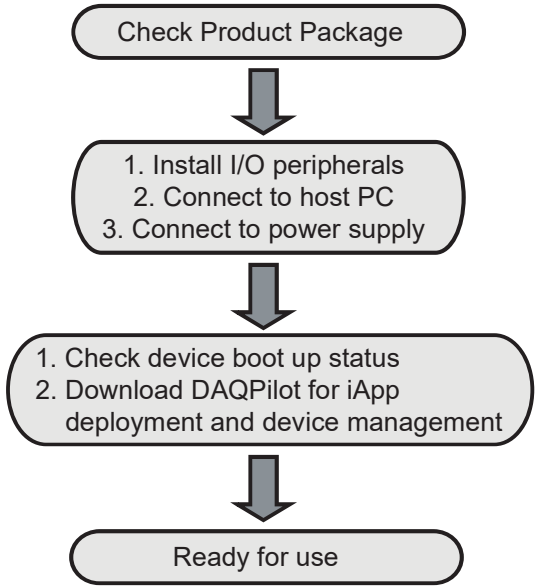
SDAQ-210 Series
Standalone Ethernet DAQ with
8- or 16-ch AI, 16-bit, 250 kS/s, 8-ch DI/O, 2-ch AO

Getting Started



Package Contents

Your package should contain:

- SDAQ-216 or SDAQ-218
- DIN rail mount kit
- Quick Start Guide (this document)

Optional Accessories:

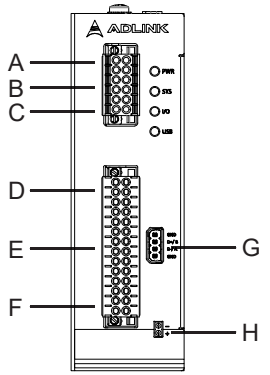
- AC-DC adapter 40W (optional, P/N: 31-62138-0000)
- Mounting bracket (optional, P/N: 34-51112-0000)
- Digital temperature sensor with 3 meter cable (optional, P/N: 30-23086-0000-A0)

SDAQ-210 Series Quick Start Guide

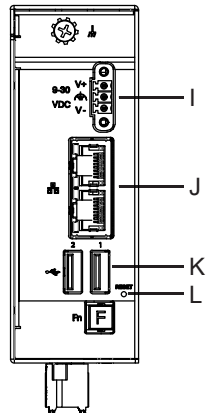
Features

- RESTful API reports machine condition to IT system
- Supports streaming data
- Built-in web console for easy configuration and use as portable DAQ
- Supports Modbus TCP server mode to upload data to SCADA system
- 8- or 16-channel, 16-bit analog input up to 250 kS/s
- 8-channel isolated digital input/output
- 1x RS-485 port for serial communication with Modbus RTU protocol
- Two 1Gb Ethernet ports for cascading
- Deploy User-Developed Analytics iApps by DAQPilot
- Supports TCP socket (client mode)

I/O & Connectivity



Front



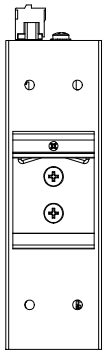
Top

Item	Description	Item	Description
A	Digital output ports DO0-3	G	RS-485 port
B	Digital ground (D.GND)	H	Temperature sensor input
C	Digital input ports DI0-3	I	DC power connector
D	Analog output ports AO0-1	J	Ethernet ports
E	Analog input ports AI0-15	K	USB ports
F	Analog ground (A.GND)	L	Reset button

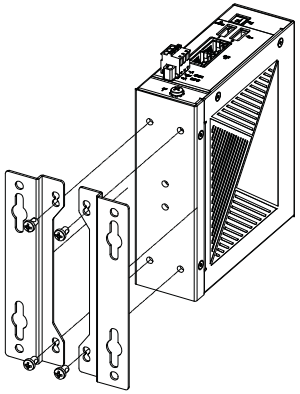
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Mounting



DIN Rail Mounting



Wall Mounting (optional)

Installing I/O Peripherals

1. Connect analog output devices to ports AI 0-AI 15 via terminal block connectors. When the analog signal source is single-ended, connect the signal ground to the analog ground (A. GND).
2. Connect digital input/output devices to terminal block ports DI/O 0-3. Connect digital grounding (D.GND) as necessary.
3. (Optional) Connect a temperature sensor to the two front panel pin connectors.
4. Connect a PC/Hub to one of the top panel Ethernet ports.
5. Connect a 9-30 VDC power source to the terminal block on the top panel.

SDAQ-210 Series Quick Start Guide

Check Device Boot Up Status

1. When power is supplied to the SDAQ-210 series, the front panel PWR LED will be red.
2. During boot up, the SYS LED will first flash red, and then turn solid red. When the SDAQ-210 series has successfully completed the boot up process, the SYS LED will turn green.

Note: It is recommended to connect the SDAQ-210 series to a PC/Hub via one of the Ethernet ports before powering on the system, to reduce the total amount of time spent during the boot up process.

Deploying User-developed Applications with DAQPilot

For details on how to deploy user-developed applications with DAQPilot, refer to Chapter 3 of the SDAQ-216 User's Manual (https://www.adlinktech.com/Products/Data_Acquisition/SmartDAQ/SDAQ-216) or SDAQ-218 User's Manual (https://www.adlinktech.com/Products/Data_Acquisition/SmartDAQ/SDAQ-218).

Web Console

For details on how to use the Web Console, refer to Chapter 4 of the SDAQ-216 User's Manual (https://www.adlinktech.com/Products/Data_Acquisition/SmartDAQ/SDAQ-216) or SDAQ-218 User's Manual (https://www.adlinktech.com/Products/Data_Acquisition/SmartDAQ/SDAQ-218).

Reset to Factory Default

To restore the SDAQ-210 series factory default settings, insert a small object, like a pin or paper clip, into the hole marked RESET on the top panel. Press and hold the reset button for 3 seconds until the unit reboots with the factory default settings restored.

To save the network settings before resetting the system, select *Keep Network Setting* under **System Setting > Network Setting** in the web console.

Contact ADLINK

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