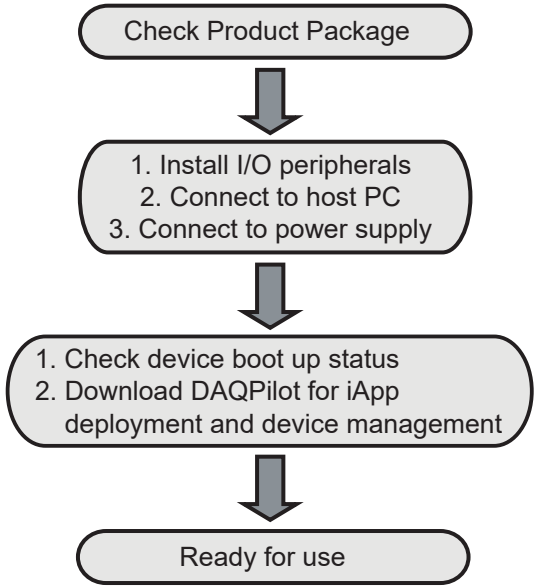
# SDAQ-204
# Standalone Ethernet DAQ with 4-ch AI, 24-bit, 128 kS/s, 4-ch DI/O

## Getting Started




## Package Contents

Your package should contain:

- SDAQ-204
- DIN rail mount kit
- Temperature sensor (3m cable)
- 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)

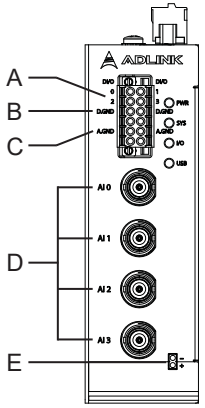


SDAQ-204 Quick Start Guide

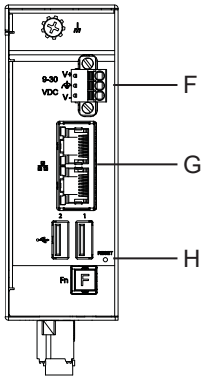
## Features

- RESTful API reports machine condition to IT system
- Deploy User-Developed Analytics iApps by DAQPilot
- Built-in web console for easy configuration and use as portable DAQ
- 4-ch, 24-bit simultaneous sampling analog input up to 128 kS/s
- Supports IEPE 4mA excitation current output on each analog input to drive accelerometer
- 4-ch programmable isolated digital input /digital output (software selectable)
- Two 1Gb Ethernet ports for cascading
- Supports TCP socket (client mode)
- Supports streaming data

## I/O & Connectivity




Front



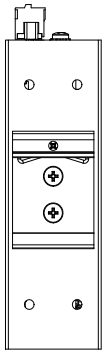

Top

| Item | Description | Item | Description |
|---|---|---|---|
| A | Digital input/output ports DI/O 0-3 | E | Temperature sensor input |
| B | Digital ground (D.GND) | F | DC power connector |
| C | Analog ground (A.GND) | G | Ethernet ports |
| D | Analog input device ports AI 0-3 | H | Reset button |

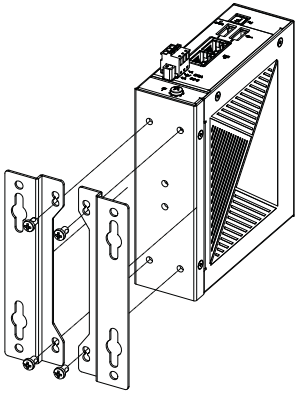
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## Mounting



DIN Rail Mounting



Wall Mounting (optional)

## Installing I/O Peripherals

1. Connect analog output devices to ports AI 0-AI 3 via BNC-type connectors. When the analog signal source is single-ended, connect the signal ground to both the BNC ground and 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 9-30V DC power source to the terminal block on the top panel.



SDAQ-204 Quick Start Guide

## Check Device Boot Up Status

1. When power is supplied to the SDAQ-204, 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-204 has successfully completed the boot up process, the SYS LED will turn green.

**Note:** It is recommended to connect the SDAQ-204 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-204 User's Manual at https://www.adlinktech.com/Products/Data_Acquisition/SmartDAQ/SDAQ-204.

## Web Console

For details on how to use the Web Console, refer to Chapter 4 of the SDAQ-204 User's Manual at https://www.adlinktech.com/Products/Data_Acquisition/SmartDAQ/SDAQ-204.

## Reset to Factory Default

To restore the SDAQ-204 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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