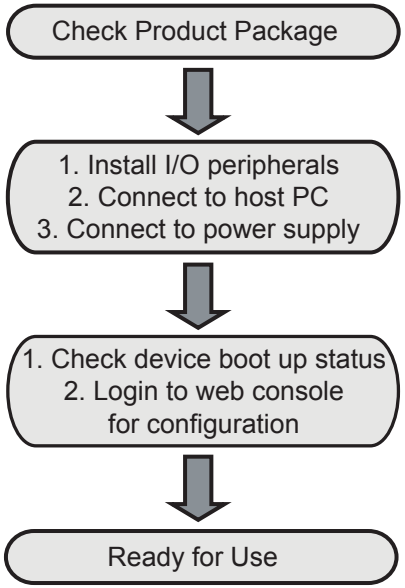
MCM-204
Standalone Ethernet DAQ with 4-ch AI, 24-bit, 128 kS/s, 4-ch DI/O

Getting Started



Package Contents

Your package should contain:

- MCM-204
- DIN rail mount kit
- Temperature sensor (3m cable)
- Quick Start Guide (this document)

Optional Accessories:

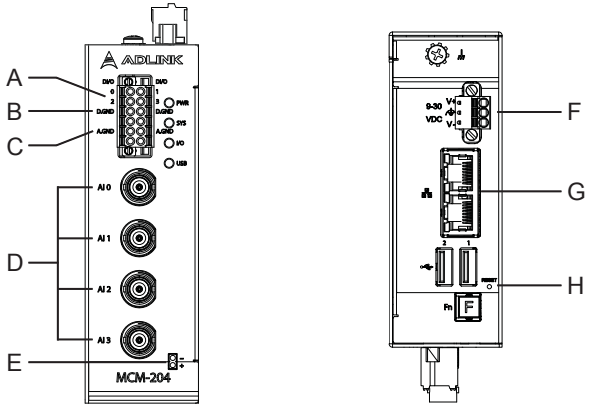
- AC-DC adapter 40W (optional, P/N: 31-62138-0000)
- Mounting bracket (optional, P/N: 34-51112-0000)

MCM-204 Quick Start Guide

Features

- RESTful API reports machine condition to IT system
- Supports C/C++ API for streaming data
- 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)

I/O & Connectivity



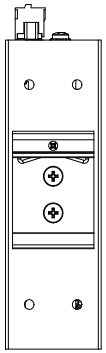
Front **Top**

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

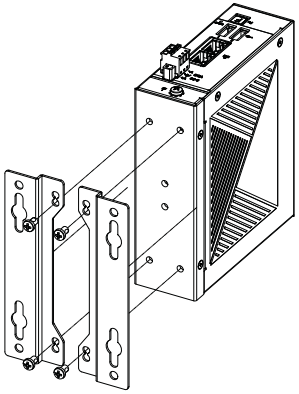
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Mounting



DIN Rail Mounting



Wall Mounting (optional)

Installing I/O Peripherals

1. Connect analog input 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 9-30 VDC power input to the terminal block on the top panel.

MCM-204 Quick Start Guide

Check Device Boot Up Status

1. When power is supplied to the MCM-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 after approximately 35 seconds. When the MCM-204 has successfully completed the boot up process, the SYS LED will turn green.

Note: It is recommended to connect the MCM-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.

Web Console Login

1. The MCM-204 default IP address is 169.254.1.1. Set the IP address of the connected PC to the same network segment (169.254.X.X), or use DHCP mode for your PC.
2. Open a web browser on the connected PC (Google Chrome preferred) and enter 169.254.1.1 in the address bar and press **Enter**.
3. In the login web page, enter the default username (**administrator**) and password (**Adlink6166**) to log into the Web Console page.

Reset to Factory Default

To restore the MCM-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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