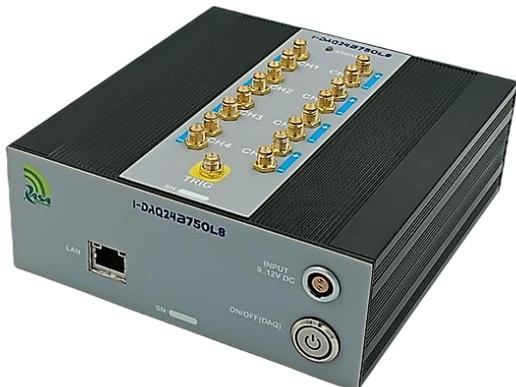# i-DAQ24B750L8

24-Bit, 750KS/s, Simultaneous 8-Ch Analog Input DAQ

Features

- 8 differential analog input channels
- 24-bit A/D converter, with up to 750 KHz sampling rate
- 8 M samples FIFO buffer size
- 8 A/D converters simultaneously sampling
- A/D triggering modes
- Portable

Introduction

i-DAQ24B750L8 is an advanced high-performance and low-cost Ethernet data acquisition module that can be installed without opening the chassis; With a large FIFO of 8M Sample, the maximum sampling rate of i-DAQ24B750L8 is up to 750 KS/s with 8 A/D converters simultaneously sampling on each channel, with an emphasis on continuous, non-stop, high-speed, streaming data of samples to host memory. Plug in the modules to access collected data. Reliable and rugged enough for industrial applications yet sufficiently affordable for home systems, the i-DAQ24B750L8 DAQ module provides an easy and efficient means of adding measurement and control capabilities to RJ45-capable computers.

Specifications

Analog Input

- **Channels**   8 differential
- **Resolution**   24-Bit ADC
- **Max. Sampling Rate**   750 KS/s per channel
- **FIFO Size**   8M samples
- **Overvoltage Protection**   8.19 Vp-p
- **Input Impedance**   6.25 kΩ
- **Trigger Reference**   Digital trigger
- **Trigger Mode**   Start/Stop
- **CMRR**   -94dB
- **Analog inputs**   SMA

General

- **Dimensions (W x H x D)**   155 x 65 x 145 mm
- **Power Consumption**   Typ.: 8W @ 9V
- **Power Requirements**   9 ~ 12VDC
- **Ethernet**   1 x GBit-LAN (RJ45)
- **Weight**   0.95 kg (typical)
- **OS Support**   Up to Windows 10
- **Driver & SDK**   C/C++ dll.

Ordering Information

- **i-DAQ24B750L8**
750 KS/s, 24-bit, 8-Ch Simultaneous

- **i-DAQ24B750L4**
750 KS/s, 24-bit, 4-Ch Simultaneous

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