

USB-4711

100 kS/s, 12-bit USB Multifunction Module

NEW



Features

- Supports USB 2.0
- Portable
- No need for external power
- 16 analog input channels
- 12-bit resolution AI
- Sampling rate up to 100 kS/s
- 8DI/8DO, 2 AO and 1 16-bit counter (USB-4711L w/o AO)
- Wiring terminal on Modules

Introduction

The USB-4700 series consists of true Plug & Play data acquisition modules. No more opening up your computer chassis to install boards. Just plug in the module, then get the data. It's easy and efficient.

USB-4711 offers 16SE / 8DI inputs with 12-bit resolution, up to 100 kS/s throughput, 16 digital I/O lines and 1 user counter/timers, and optional 12-bit analog outputs.

Reliable and rugged enough for industrial applications, yet inexpensive enough for home projects, USB-4711 is perfect for adding measurement and control capability to any computer with a USB port. USB-4711 is fully USB Plug & Play compatible and easy to use. It obtains all required power from the USB port, so no external power supply is required.

Specifications

Analog Input

- **Channels** 16 Single-Ended
- **Resolution** 12-bit
- **FIFO Size** 1K samples
- **Sampling Rate** 100 kS/s max.
- **Conversion Time** 10 μ s
- **Input Range** $\pm 10\text{ V} \pm 5\text{ V} \pm 2.5\text{ V} \pm 1.25\text{ V} \pm 0.625\text{ V}$
- **Input Protection** 30 Vp-p
- **Input Impedance** 2 Ω /5 pF
- **Trigger Mode Software** On-board or external programmable pacer

Digital Input / Output

- **Input Channels** 8
- **Input Voltage** Low 0.8 V max.
High 2.0 V max.
- **Output Channels** 8
- **Output Voltage** Low 0.8 V max.@ 0.8 mA (sink)
High 2.0 V min.@ -0.4 mA (source)

Analog Output

- **Channels** 2
- **Resolution** 12-bit
- **Throughput** 100 kS/s

Ordering Information

- **USB-4711** 100 kS/s, 12-bit USB multifunction module