NI USB 6009

The USB-6009 is a low-cost, multifunction DAQ device. It offers analog I/O, digital I/O, and a 32-bit counter. The USB-6009 provides basic functionality for applications such as simple data logging, portable measurements, and academic lab experiments. The device features a lightweight mechanical enclosure and is bus powered for easy portability. You can easily connect sensors and signals to the USB-6009 with screw-terminal connectivity. The included NI-DAQmx driver and configuration utility simplify configuration and measurements

Features

>> **Analog input (AI)**: 8 inputs with referenced single ended signal coupling or 4 inputs with differential signal coupling.

>> **Analog output (AO)**: 2 outputs. Voltage range is 0 - 5V (fixed). Output rate is 150Hz (samples/second). 12 bits DA converter.

>> **Digital input (DI) and digital output (DO)**: 12 channels which can be used as either DI or DO (configured individually).

>> **Counter**: 32 bits. Counting on falling edge.

>> **On-board voltage sources (available at individual terminals)**: 2.5V and 5.0V

>> **Power**: USB-6009 is powered via the USB cable.

>> **Configuring and testing** : USB-6009 can be configured and tested using MAX (Measurement and Automation Explorer).