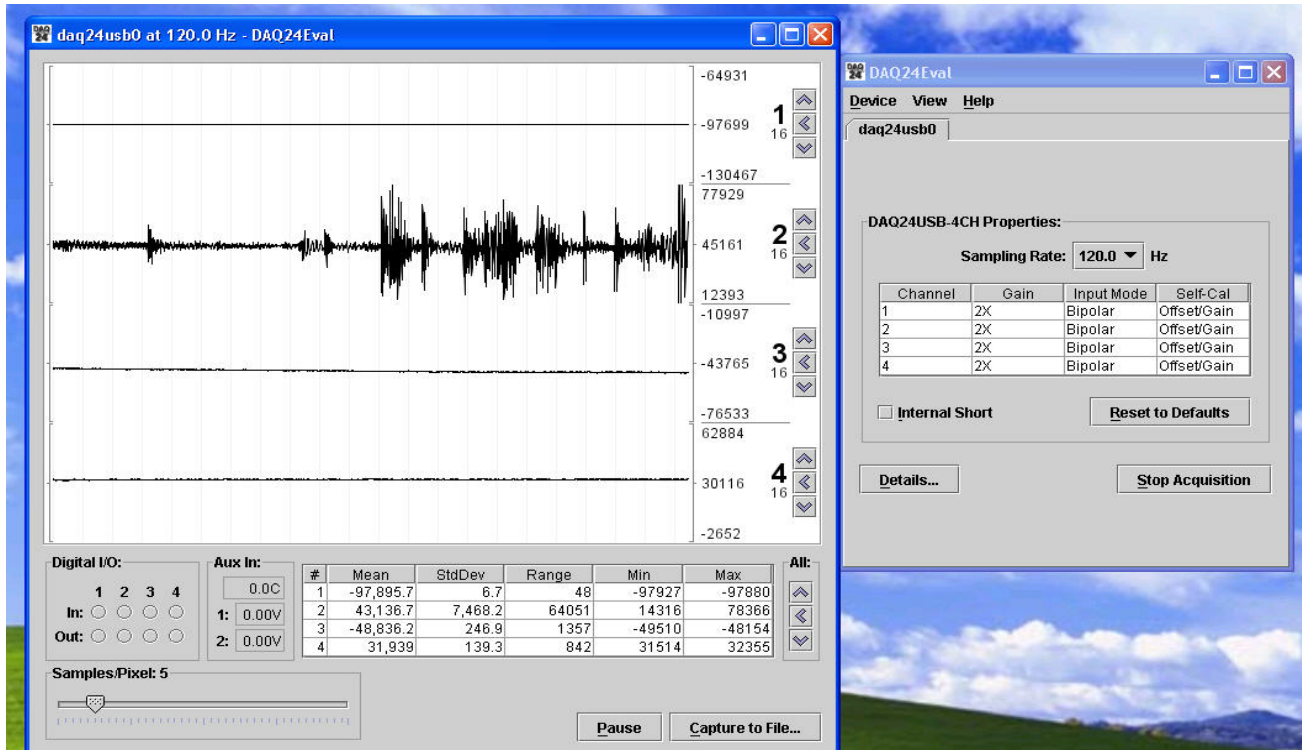


# DAQ24USB

## 24-bit USB Analog-Digital Converter

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DAQ24USB is an advanced 24-bit data logging system offering excellent performance at a low cost. DAQ24USB comes with a finished GUI application (shown below), Java and C libraries, programmable sensitivity, digital I/O, auxiliary 10-bit analog inputs and a temperature monitor. Plug the DAQ24USB into a USB port, follow the install screens and you will be collecting data within minutes!



## DAQ24USB Highlights

- USB plug-and-play interface
- Programmable sensitivity
- Up to 120 dB of dynamic range with no missing codes
- USB expandability
- Digital input/output
- Windows XP® and Linux (2.6 kernel) drivers and libraries
- PC/104 form-factor for embedded applications
- Java data logging application
- Auxiliary 10-bit analog inputs plus temperature

# DAQ24USB Specifications

**DAQ24USB is a 24-bit USB analog-to-digital converter/data logger that records locally to a PC with a USB port. The software runs under Windows XP® or Linux and can be upgraded to support TCP/IP networking, SSH, SFTP, real-time graphical waveform viewing, event triggering and multiple data formats. OEM (board-level) developers use libraries to build their own applications. DAQ24USB is also available packaged inside an industrial metal enclosure, with cabling and terminal board for I/O connections. Both packaged turn-key and OEM configurations include the same software on CDROM.**

Channel count	4 – 32 channels, 24-bit, independent banks via USB hub
Dynamic range	120 dB (100 Hz sampling rate)
Channel timing skew	None (one ADC per channel)
Voltage range	+/- 20 volts full-scale
Input impedance <sup>1</sup>	200k-ohms
Data word	24-bit
Auxiliary analog channels, 10 bit	4
Digital input/output channels	3 input, 3 output
Software-controlled amplifier	X2 – X16
Sampling range <sup>1</sup>	10 – 960 samples/sec
LED indicator	Flashes when data is acquired and connected to GPS
Enclosure	Optional PC/104 industrial enclosure
Operating temperature	-30° to +60° C
Power	+ 5 VDC @ 200mA (USB bus power)
Bundled software (Java)	DAQ-Sys-Lab data logger
Library support	Java and “C”
Output file format	ASCII (Excel, MATLAB compatible)

<sup>1</sup> DAQ24USB, Rev F and later

## Sales and Contact Information

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