

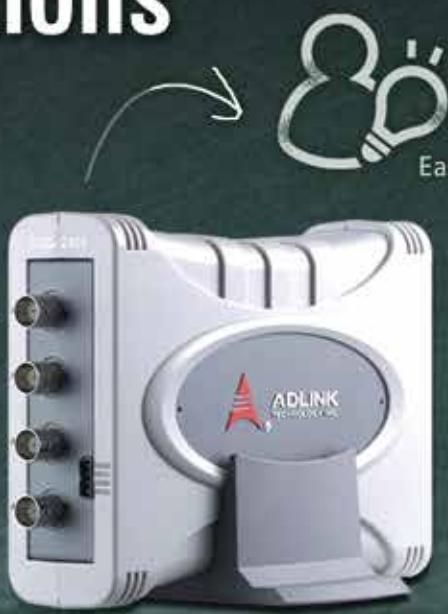
ADLINK Portable Vibration Analysis Solutions



Built-in Software



Cost-Effective

USB-2405


Easy to Use

No Programming



Portable

Combining high accuracy, superior performance, and value-added time-frequency analysis software, the USB-2405 24-bit USB 2.0 dynamic signal acquisition module is the best choice for portable time-frequency spectrum analysis for machine diagnostics and failure prevention, research, and portable field measurement.



Machinery Vibration



Structural Health Monitoring



Audio Testing



Scientific Research

Combined with Visual Signal DAQ Express software, acquired data is processed through built-in calculation and algorithm modules and converted to meaningful information for machinery vibration measurement applications.

- Sound level conversion
- Root mean square (RMS) calculation
- Rotary speed calculation
- Frequency spectrum & time-frequency analysis



Fan



Pump



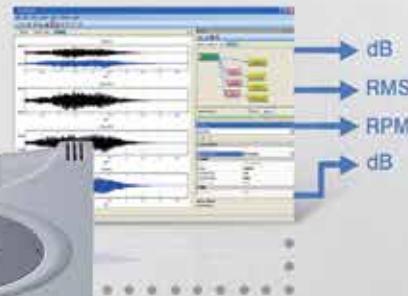
Compressor



Tachometer

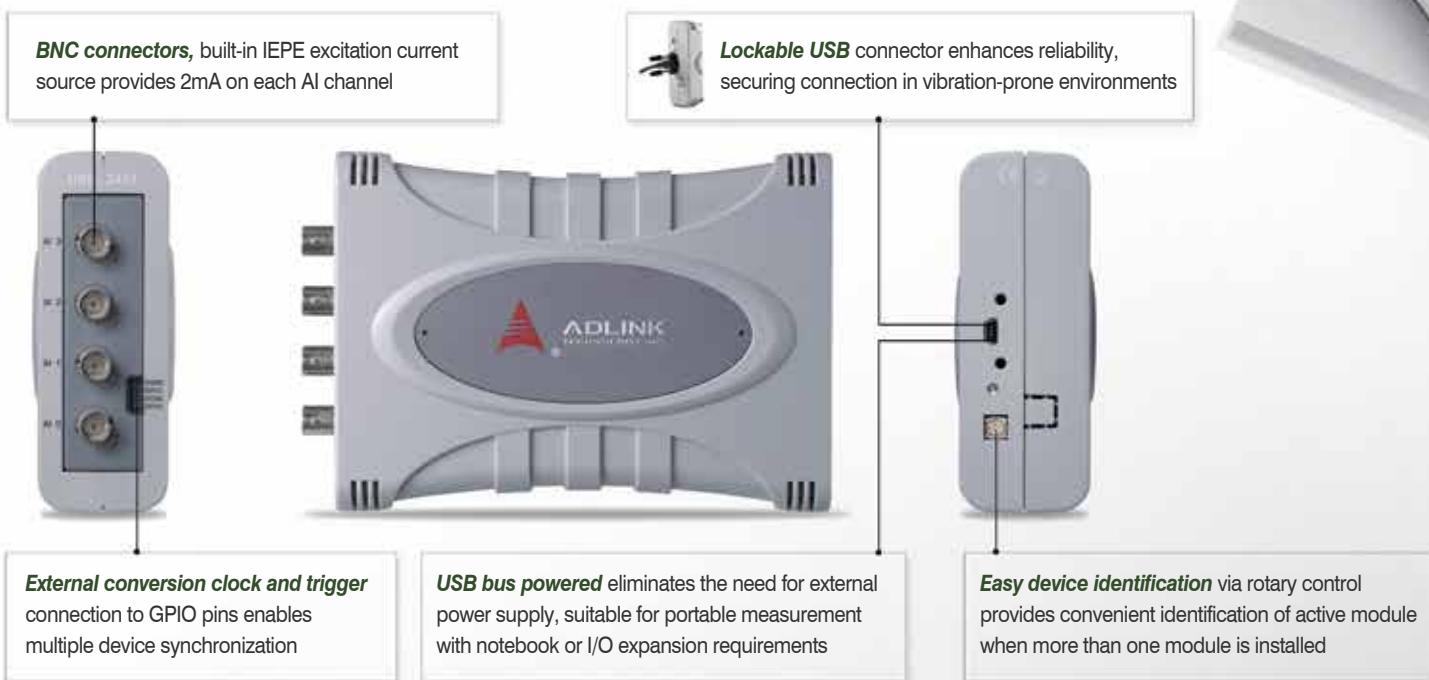


USB-2405 USB 2.0 DSA Module



Domain Focused DAQ Module

USB-2405 USB 2.0 DSA Module

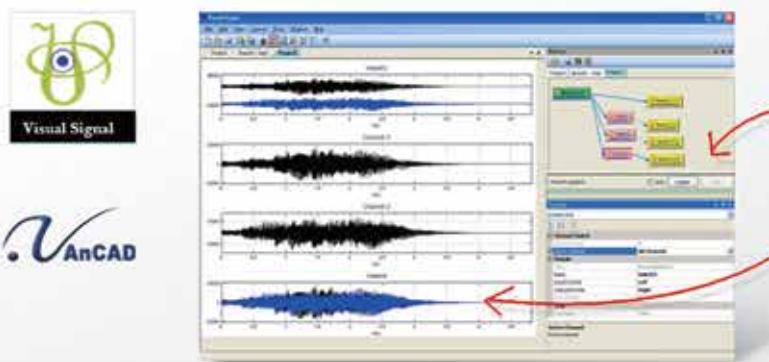


Features

- 4-CH 24-bit simultaneous sampling analog input, up to 128kS/s
- Sampling rate resolution: 3×10^{-4} S/s
- Delivers 100dB wide dynamic range with low temperature drift
- Built-in anti-aliasing filter

Fast, Easy, Visual Time-Frequency Analysis (TFA)

Visual Signal DAQ Express



Visual signal process and analysis functional block library
Easy to read UI enables convenient and quick construction of the required software function block, simplifying multi-task analysis without any programming.

Real-time viewing

For data/waveform display, the Viewer area can be divided into multiple sub-windows.

Features

- Viewer (Channel, X-Y plot, Time-frequency)
- Conversion (Channel Switch, Time shift, Resample, Data selection,..)
- Filter (FIR/Median/Notch/Moving average)
- Mathematics (RMS, Sound pressure level, Diff, Mixer,..)
- Transform (FFT, IFFT)
- Time-Frequency Analysis (Short-Term FFT)

- The installation USB flash drive for Visual Signal DAQ Express is already attached to the shipment-ready ADLINK USB-2405 and it's free of charge. Users need only follow the instructions on the quick start guide to register on the website and activate their Visual Signal DAQ Express.
- Update Feb 24, 2014. ©2014 ADLINK Technology, Inc. All Right Reserved. All specifications are subject to change without further notice.