

Wide Modular Instrument Selection



Overview

From entry-level to high-end products, data acquisition to digital input/output, ADLINK provides diverse modular instruments with the best price/performance ratio to let users build up their measurement and automation systems. Now six categories are available to fit users' needs: high-speed digitizer, switching, simultaneous data acquisition, high-density multi-function data acquisition, analog output, digital multimeter, and arbitrary waveform generator.

High-Speed Digitizer

Digitizers offer a quick and precise way for input signal acquisition and widely used in IC testing, video testing, automatic test equipment, radar and sonar testing, etc. ADLINK PXI-9820/PCI-9820 is a 65 MS/s, high-resolution PXI/PCI-based digitizer with deep SODIMM SDRAM memory. The PCI-9812, PCI-9810 and PCI-9812A are 4-CH, 10 or 12-bit, 20 MS/s simultaneous-sampling analog input PCI cards.

Switching

Switches are widely used in automatic test equipment (ATE), process control systems, data acquisition systems, etc. For different application, ADLINK offers several kinds of switches to fit your all levels of requirements, such as 16 channels general purpose relay, 24 channels scanner or multiplexer, 32 cross-points two-wire matrix.

Simultaneous Data Acquisition

ADLINK PXI-2000 series is designed for 4-channel simultaneous data acquisition with distinct sampling rate and input resolution. This series is suitable for the applications that need to acquire phase-relative signals, such as vibration measurement and analog IC testing. The PXI-2000 series is also equipped with advanced features such as auto-calibration, sophisticated timing and triggering, multiple module synchronization, scatter-gather DMA, etc.



High-Density Multi-Function Data Acquisition

ADLINK PXI-2200 series delivers high channel density and reliable data acquisition capabilities. This series offers up to 96 single-ended channels or 48 differential channels with sampling rates from 250 kS/s to 3 MS/s. The PXI-2200 series is the best choice for applications requiring numerous input channels in a single PXI platform, such as electric power monitoring and in-vehicle data acquisition.

Analog Output

ADLINK PXI-2500 series provides up to 8 channels for high-speed AO updates. With scatter-gather DMA capability and an independent DAC, each analog output channel can generate up to 1 MS/s, 12-bit arbitrary waveform. The PXI-2500 series is ideal for applications requiring a signal source to generate high-speed AO updates, such as mixed mode IC testing, close-loop control, etc.

Digital Multimeter

ADLINK provides two series of digital multimeters: 7-1/2 digit and the 6-1/2 digit digital multimeter. Both are available in PXI and PCI formats. The SMX2064/2060 and SM2064/2060 are 7-1/2 digit high-speed PXI/PCI Digital Multimeters, which maintain high accuracy at high measurement rates. The SMX2040 and SM2040 series are 6-1/2 digit PXI/PCI Digital Multimeters, which provide a combination of resolution, accuracy, and speed that surpasses rivals.

Arbitrary Waveform Generator

Arbitrary waveform generators generate wide and user-defined signals in automation and measurement applications. The TE-5201, a single-channel PXI-based AWG, provides a high-speed waveform to stimulate signal distortion, power line cycle dropouts, video signals, and power supply transients.

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