

Mobile Data Acquisition and Test Solutions

Develop robust mobile data acquisition and test solutions using ultra-rugged Field PCs from Juniper Systems combined with National Instruments data acquisition cards and LabVIEW PDA programming modules.

Juniper Systems provides ultra-rugged Allegro CX and Archer Field PCs. Both models are shockproof and fully sealed from water and dust, even when expansion pods and extended caps that accommodate National Instruments DAQ cards are installed.

The LabVIEW PDA programming interface provides a powerful software development environment for signal acquisition, measurement analysis and data presentation. Its intuitive graphical development environment is designed specifically for scientists, engineers and technicians. LabVIEW PDA works with a variety of PCMCIA cards from National Instruments.

Allegro CX Field PC™ Packages

Allegro CX Field PC features:

- Full keyboard
- Color display with touchscreen
- 400 Mhz XScale processor
- Windows CE.Net 4.2
- 128 M RAM, 256M non-volatile solid state data storage
- Embedded Bluetooth
- PCMCIA card expansion slot
- Expansion pods for use with NI PCMCIA cards



Allegro Data Acquisition Expansion Pod: The Data Acquisition (DAQ) Expansion Pod provides up to 16 analog inputs, 2 analog outputs, 8 digital I/O, and 2 counter/timers. The DAQ pod can be used with the 16-bit 6036E, 12-bit 6062E, and 12-bit 6024E National Instrument DAQCards. All pinouts are available on a high-density 50 pin D-connector on the expansion pod.

Allegro DMM Expansion Pod: The DMM Expansion Pod is used with the National PCMCIA-4050 card, providing 5-1/2 autoranging digital multimeter functionality.



Archer Field PC™ Package

Archer Field PC features:

- Touchscreen for data entry
- Color display
- 520 Mhz Xscale processor
- Windows Mobile 5.0 operating system
- 64 M RAM, 128 M non-volatile data storage
- CF and SDIO expansion slots
- Host and client USB
- Data Acquisition Cap



Archer Data Acquisition Cap: The Data Acquisition cap is used with the National Instruments CF-6004 data acquisition card. It features 14-bit resolution and up to 132 kS/s aggregate sampling on 4 analog input channels. The cap features a 15-pin sealed connector and a built-in wire harness for the card.



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