

cPCI6U64-16AIF16MIWR

16-Channel, 16-Bit, 200KSPS, Isolated Analog Input Module

With 16 Mutually Isolated Wide-range Analog Input Channels

Features Include:

- 16 Mutually Isolated 16-Bit simultaneously-sampled analog input channels.
- Input sample rates from zero to 200 Kilosamples per second per channel.
- $\pm 10V$, $\pm 1V$, $\pm 100mV$ or $\pm 10mV$ input ranges; software-selectable.
- Input Configuration: Differential or floating.
- Input impedance: 10 Megohms.
- Isolation; Channel-to-Channel: Sustained 1000VRMS
- Isolation; Channel-to-Bus: Sustained 1000VRMS
- Common Mode Voltage: Equal to or greater than $\pm 200V$, Channel-to-Bus.
- Antialiasing Filter; 5th order Chebyshev; Factory-configured from 5kHz to 100kHz.
- Common Mode Rejection: 120dB minimum on all ranges.
- Accuracy: $\pm 0.04\%$ of fullscale.
- Calibration: On-demand internal offset and gain autocalibration of all channels.
- 50Hz rejection filter; 30dB.
- cPCI 6U form factor.
- Conformal coating ensures long-term insulation integrity.
- Front-Panel system I/O connections (Rear-Panel version available),
- 66MHz 64-bit PCI support, with universal 5V/3.3V signaling and DMA support. PCI burst rates to 400MB/sec.

Applications:

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|-------------------|---------------------------|------------------------------------|
| ✓ Power Stations | ✓ Ground Loop Elimination | ✓ Isolated Analog Inputs |
| ✓ Process Control | ✓ Voltage Acquisition | ✓ Nuclear Facility Instrumentation |

- PRELIMINARY -

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