

cPCI6U64-16AO16MI

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

With 16 Mutually Isolated Analog Output Channels

Features Include:

- 16 Mutually Isolated 16-Bit simultaneously-clocked analog output channels.
- Output clocking rates from zero to 200 kHz per second per channel.
- $\pm 10V$ or Zero to $+10V$ output ranges at $\pm 10mA$, or 600-Ohm load at 12V.
- Output Configuration: Floating, 2-wire.
- Output impedance: 2 Ohms maximum.
- Overvoltage-protected to $\pm 30V$.
- Sustains shorts to channel-ground indefinitely.
- Isolation; Channel-to-Channel: Sustained 1000VRMS.
- Isolation; Channel-to-Bus: Sustained 1000VRMS.
- Accuracy: $\pm 0.04\%$ of fullscale.
- Calibration: On-demand internal offset and gain autocalibration of all channels.
- cPCI 6U form factor.
- Conformal coating ensures long-term insulation integrity.
- 256 K-Sample FIFO output data buffer.
- 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 | ✓ Function Generation | ✓ Isolated Analog Outputs |
| ✓ Process Control | ✓ Ground Loop Elimination | ✓ Nuclear Facility Instrumentation |

- PRELIMINARY -

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