

## **cPCI6U64-16AO128C8MOD**

### **16-Bit 128/64-Channel 500KSPS Precision Wideband cPCI 64-Bit 6U Analog Output Board**

***With 16 Megasample Outputs Buffering  
and Outputs-Disconnect***

***--- In Development ---***

#### ***Features Include:***

- Precision 16-Bit simultaneously-clocked analog outputs: R-2R DAC per channel
- Available with either *128 single-ended* outputs, or *64 balanced-differential* outputs
- Software-selectable ranges of  $\pm 10V$ ,  $\pm 5V$ . Optionally 0 to +10V, or 0 to +5V.
- Output clocking rates from zero to 500K samples per second per channel.
- Optional Outputs-Disconnect feature supports multiple-board redundancy, and eliminates outputs activity during autocalibration
- Remote ground-sense input minimizes the effects of interground potentials
- Supports both Block-mode and Demand-mode DMA transactions
- **16 Megasample Output Buffering; Configured as 2 Megasample output data FIFO buffer for each 16 output channels.** Configurable as open or closed (circular)
- **Optional rear-panel I/O available**
- Simultaneous output clocking
- Multiboard synchronization supported
- Continuous and Triggered-Burst output modes support seamless waveform sequencing
- Data clocking rate controlled internally or externally
- High accuracy ensured by on-demand Autocalibration of all channels

#### ***Applications:***

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|----------------------------|---------------------|-----------------------|
| ✓ Precision Voltage Source | ✓ Acoustic Research | ✓ Waveform Synthesis  |
| ✓ Audio Synthesis          | ✓ Process Control   | ✓ Industrial Robotics |

***PRELIMINARY***

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