Brochure



DE2110

Multifunction I/O Module

32 AI (16 DIFF) 16 AO 48 DIO

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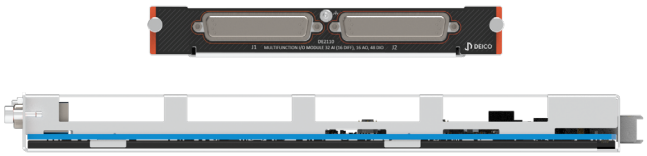
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Multifunction I/O Module

32 AI (16 DIFF) 16 AO 48 DIO



- **High-performance analog inputs**
  - 32 single-ended or 16 fully differential analog inputs
  - 1 MS/s simultaneous sampling with 18-bit resolution
  - Software-selectable input ranges (up to ±20 V)
- **Precision analog outputs**
  - 16 independent channels with 16-bit resolution
  - Fast settling time (<15 µs) for waveform generation
  - High-drive capability (up to ±55 mA) to control a wide range of devices
  - Independently programmable output ranges (up to ±15 V)
- **Flexible & high-speed digital I/O**
  - 48 bidirectional digital I/O bits (grouped as 6 x 8-bit channels)
  - High-speed data rates up to 420 Mb/s
  - Programmable voltage thresholds (1.1 V to 5.25 V) for direct interfacing with any logic family
  - Per-channel direction control for maximum flexibility

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