

# DE140900

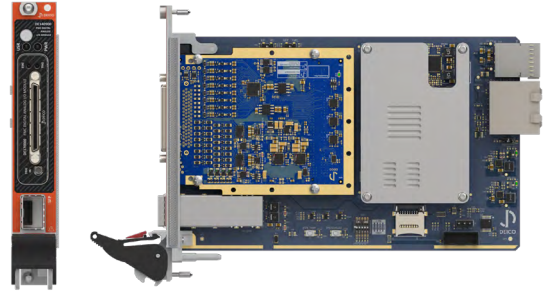
## PXIe

## Digital Analog

## I/O Module

DE140900

# PXIe Digital Analog I/O Module



- **High-performance analog inputs**
  - 16 single-ended or 8 fully differential analog inputs
  - 1 MS/s simultaneous sampling with 18-bit resolution
  - Software-selectable input ranges (up to  $\pm 15$  V)
- **Precision analog outputs**
  - 8 independent channels with 16-bit resolution
  - Fast settling time ( $< 15 \mu\text{s}$ ) for waveform generation
  - High-drive capability (up to  $\pm 55$  mA) to control a wide range of devices
  - Independently programmable output ranges (up to  $\pm 15$  V)
- **Flexible & high-speed digital I/O**
  - 16 bidirectional digital I/O bits (grouped as 2 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
- **Versatile Mixed-Signal FMC**
  - Advanced I/O with high-precision trigger

