

Zmod DAC 1411 Module

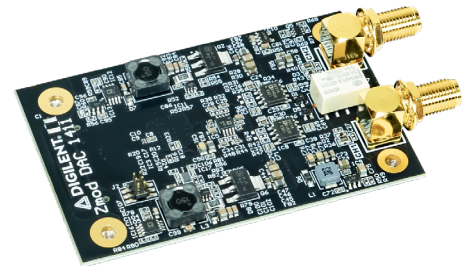
Product Overview

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Description

Digilent Zmod DAC 1411 Module is a SYZYGY™ compatible dual-channel, 14-bit digital-to-analog converter module. This SYZYGY compatible module offers a higher speed/bandwidth digital interface than Pmods, but at a much smaller and lower-cost form factor than FMC. The Zmod DAC 1411 module can simultaneously generate two $\pm 5V$ signals with 14-bits of resolution at a sample rate up to 100MS/s.



The analog outputs can be connected to a circuit using SMA cables. The combination of the SYZYGY expansion like Eclipse Z7 or Genesys ZU, when coupled with a baseboard, will serve as a powerful prototyping platform for instrumentation, high-speed control, and SDR. By utilizing these expansion capabilities, users can spend more time on the analytical and system-level aspects of the solution rather than focusing on the component-level interactions of the devices.

Features

- 2 channels
- Single-ended channel type
- 14-bit resolution
- 167 μV absolute resolution (amplitude $\leq 1.25V$)
- 665 μV absolute resolution (amplitude $> 1.25V$)
- 100MS/s sample rate (real-time)
- 50 Ω output impedance
- 40MHz+ at 3db, 20MHz at 0.5db, 14MHz at 0.1db analog bandwidth
- 180V/ μs slew rate (2V step)
- $\pm 5V$ AC amplitude (max.)

Mouser Part Number

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