Enhance Your Design

Plug into a world of possibilities with 15 new Pmod™-compatible devices

Precision data conversion. High-accuracy timekeeping. Advanced functions like ambient-light sensing. Easily add these and other features to your FPGA development kit using Maxim Integrated's Analog Essentials collection of peripheral modules. See what's possible with Maxim alongside your FPGA.

Key Features and Benefits

- Quickly prototype popular analog and mixed-signal functions, including Maxim's latest sensors, interfaces, clocks, and data converters

- Plug directly into any FPGA/CPU expansion port that complies with the Digilent's Pmod interface specification

- Supplied bitstream allows any Pmod port to be reconfigured with software commands—no HDL recoding required

- Sample C code demonstrates functionality and can be easily integrated into your programs

- Buy them individually, or buy the full 15-module collection for just $89.95

Order yours today. *www.maximintegrated.com/FPGA-Modules*

maxim integrated™

MAX11205PMB1#
Precision 16-Bit ADC

ADC offers low supply current, low noise, and compact 10-pin package for space-constrained designs

DS1086LPMB1#
Programmable Oscillator

Low-EMI oscillator reduces system cost through innovative architecture

MAX5216PMB1#
Precision 16-Bit DAC
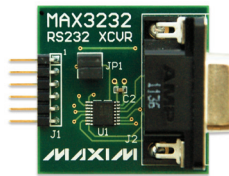
Industry's lowest-power 16-bit DAC

MAX4824PMB1#
Octal Relay Driver

Octal relay driver reduces access time and power consumption and improves relay switching speed

MAX3232PMB1#
RS-232 Transceiver

Space-saving RS-232 transceiver works from a single supplyvoltage

MAX44000PMB1#
Proximity Detector

Industry's most advanced proximity/ambient-light sensor offers lowest power consumption to conserve battery life

MAX5487PMB1#
Dual Nonvolatile Digital Pot

Space-saving, 256-tap nonvolatile digital potentiometer

MAX14840EPMB1#
RS-485 Transceiver
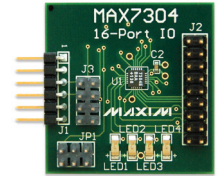
High-speed (40Mbps) transceiver extends cable lengths

MAX31723PMB1#
Temperature Sensor/Switch

Industry's only 3-wire/SPI temperature sensor operates from as low as 1.7V, saving both space and power

MAX7304PMB1#
16-Port I/O Expander

Compact I/O expander increases flexibility through I/O expansion and integrated ESD protection

MAX9611PMB1#
Programmable Current Limiter

Easy to design and flexible current limiter

MAX31855PMB1#
Thermocouple to Digital

Complete, space- and power-saving solution converts thermocouple signals into a digital temperature reading

DS3231MPMB1#
3PPM Real-Time Clock (RTC)

Rugged crystal-less RTC keeps accurate time in challenging environments

MAX14850PMB1#
SPI/UART Isolator

Robust isolator with capacitive technology has high immunity to magnetic fields

MAX5825PMB1#
Octal 12-Bit DAC

Space-saving octal DAC with integrated watchdog timer and predefined power-on-reset states improves safety

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