



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

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 supply voltage

**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

