



# 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](http://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

