



# 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



# AMEYA360

## Components Supply Platform

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➤ Customer Service :

Email [service@ameya360.com](mailto:service@ameya360.com)

➤ Partnership :

Tel +86 (21) 64016692-8333

Email [mkt@ameya360.com](mailto:mkt@ameya360.com)