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### → AVR XMEGA MCUs

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## XMEGA-A1 Xplained

### Overview

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The Atmel® XMEGA-A1 Xplained evaluation kit is a hardware platform for evaluating the Atmel ATxmega128A1 microcontroller. The kit offers a range of features that enable the Atmel AVR XMEGA® user to get started using AVR XMEGA peripherals right away and understand how to integrate the AVR XMEGA device in their own design.

**NOTE:** The XMEGA-A1 Xplained can be used to evaluate the XMEGA A1/A3/A4 and A1U/A3U/A4U devices. The device shares the same peripherals, but the A1, A3 and A4 devices has different pin count and hence different number of each peripherals. The difference between A and AU devices is that AU features a USB Full-speed Device module. This USB module can be evaluated using STK600 or the XMEGA-A3BU Xplained.

### Key Features

- **Atmel ATxmega128A1 microcontroller**
- **Read temperature sensor with the ADC**
- **Read light sensor with the ADC**
- **Generate sound with the DAC, amplifier and speaker**
- **Read and write data to the 8MB SDRAM**
- **Eight push buttons to interact with the microcontroller**
- **Eight LEDs to show status information**
- **Board controller that routes data from the ATxmega128A1 UART to the PC via USB**
- **Program the kit via bootloader or an Atmel programmer**
- **Expand the board with Xplained top modules**

### Ordering Information

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ATAVRXPLAIN			<a href="#">Check Distributor</a>

<sup>1</sup>Backlog orders can be placed for items currently not available.

<sup>2</sup>Suggested retail price per unit for budgetary use only.



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