

Microcontrollers

AVR 8- and 32-bit MCUs  
SMART ARM-based MCUs

SAMA5 MPUs

- SAM C MCUs
- SAM D MCUs
- SAM E MCUs
- SAM G MCUs
- SAM L MCUs
- SAM S MCUs
- SAM V MCUs
- SAM3N MCUs
- SAM3S MCUs
- SAM4L MCUs
- SAM4E MCUs
- SAM4N MCUs
- SAM4S MCUs
- SAM3U MCUs
- SAM3A MCUs
- SAM3X MCUs
- SAM7S/SE MCUs
- SAM7X/XC MCUs
- SAM9XE MCUs
- SAM9N/CN MPUs
- SAM9R MPUs
- SAM9G MPUs
- SAM9X MPUs
- SAM9M MPUs

Legacy Products  
8051 Architecture

Touch Solutions

Automotive

Wireless Connectivity

Smart Energy

Memory

Drivers and Sensors

Security ICs

Programmable Logic

Analog

Rad Hard

Digital Broadcast

Microcontroller Selector

Home > Products > Microcontrollers > SMART ARM-based MCUs > SAMA5 MPUs

# ATSAMA5D2-XULT

Overview

Devices

Documents

Applications

Related Tools



Buy Now

The SAMA5D2 Xplained Ultra is a fast prototyping and evaluation platform for the Atmel | SMART SAMA5D2 series of microprocessors. The board includes eMMC and DDR3 memories as well as a rich set of connectivity options. Connectors and expansion headers allows for easy customization and quick access to leading-edge embedded features such as the ClassD amplifier or the capacitive touch controller. An Atmel Linux distribution and software package allows you to easily get started with your development.

### Key Features

- Based on Atmel ATSAMA5D27-CU-ES (ATSAMA5D2-XULT)
- Based on Atmel ATSAMA5D27B-CU (ATSAMA5D2B-XULT)
- x2 DDR3L 2Gb 16-Bit
- x1 eMMC 4GB
- x1 Ser.data flash QSPI
- x1 Ser.E2P+Mac add
- x1 Ethernet 10/100 Port
- x2 USB Port
- 6-layers PCB

### Ordering Information

Ordering Code	Atmel Store Availability <sup>1</sup>	Unit Price <sup>2</sup>	Buy Online
ATSAMA5D2-XULT		Varies	<a href="#">Check Distributor</a>
ATSAMA5D2B-XULT		Varies	<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.



Contents: ATSAMA5D2-XULT board

### Get Started

We'll tell you all you need to know to start evaluating and working with this product.

- » [Start Now](#)
- » [Contact Sales](#)
- » [Request Samples](#)
- » [Sign-up for News](#)

### Related Items

- » [Third Party Support](#)
- » [University Program](#)
- » [Atmel SMART Knowledge Base](#)
- » [Technical Support](#)
- » [What's Changed](#)
- » [Mature Devices](#)

Wireless Connectivity  
Smart Energy  
Memory  
Drivers and Sensors  
Security ICs  
Programmable Logic  
Analog  
Rad Hard  
Digital Broadcast

Home Entertainment  
Industrial Automation  
Lighting  
Internet of Things (IoT)  
Smart Energy  
Mobile Electronics  
PC Peripherals  
Wearables

Document Library  
Training  
Support Resources  
Third-Party Tools/Support  
Design Consultants

Investors  
Careers  
Suppliers  
Embedded Design Blog  
Quality  
Compliance

Communities