



SAM D21 Xplained Pro Evaluation Kit

- Microcontrollers**
- AVR 8- and 32-bit MCUs
- SMART ARM-based MCUs
- SAMA5D3 MPUs
- SAM D MCUs
- SAM G 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
- SAM7L MCUs
- SAM9XE MCUs
- SAM9N/CN MPUs
- SAM9R MPUs
- SAM9G MPUs
- SAM9X MPUs
- SAM9M MPUs
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- 8051 Architecture
- Touch Solutions**
- Automotive**
- Wireless Connectivity**
- Smart Energy**
- Memory**
- Security ICs**
- More Products**

Microcontroller Selector

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The Atmel® SAM D21 Xplained Pro evaluation kit is ideal for evaluating and prototyping with the Atmel SAM D21 ARM® Cortex®-M0+ based microcontrollers. Extension boards to the SAM D21 Xplained Pro can be purchased individually.

The ATSAMD21-XPRO evaluation kit does not include extension boards.

The SAM D21 Xplained Pro supports the Atmel I/O1 Xplained Pro, OLED1 Xplained Pro, QT1 Xplained Pro, and PROTO1 Xplained Pro extension boards.

Key Features

- **SAMD21J18A microcontroller**
- **One mechanical reset button**
- **One mechanical user pushbutton (wake-up, bootloader entry or general purpose)**
- **One yellow user LED**
- **32.768kHz crystal**
- **USB interface, device and reduced host mode**
- **8 Mbit Serial Flash**
- **3 Xplained Pro extension headers**
- **Embedded Debugger**
 - Auto-ID for board identification in Atmel Studio 6.1
 - One yellow status LED
 - One green board power LED
 - Symbolic debug of complex data types including scope information
 - Programming and debugging
 - Data Gateway Interface: SPI, I²C, 4 GPIOs
 - Virtual COM port (CDC)
- **USB powered**
- **Supported with application examples in Atmel Software Framework**

Ordering code: ATSAMD21-XPRO

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Contents: ATSAMD21-XPRO MCU board

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