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SAM4S Xplained Pro Starter Kit

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The SAM4S Xplained Pro starter kit is ideal for evaluation and prototyping with the SAM4S Cortex™-M4 processor-based microcontroller. The SAM4S Xplained Pro board is available as an evaluation kit or starter kit. Extension boards can also be individually purchased.

The ATSAM4S-XSTK starter kit includes the Atmel I/O1 Xplained Pro, OLED1 Xplained Pro, and PROTO1 Xplained Pro extension boards.

If just the MCU evaluation board is all you need, the [ATSAM4S-XPRO evaluation kit](#) is available and does not include extension boards.

Key Features

- **SAM4SD32 microcontroller**
- **One reset button**
- **One yellow user LED**
- **One user pushbutton** — Wake-up, bootloader entry or general purpose
- **USB interface, end-point**
- **2Gb NAND flash**
- **32.768kHz crystal**
- **12MHz crystal**
- **SD card socket**
- **3 Xplained Pro extension headers**
- **One display header**
- **One PIOD connector with all PIO signals**
- **One SPARE signal connector**
- **Embedded debugger** — Auto-ID for board identification in Atmel Studio. One yellow status LED. One green board power LED. Symbolic debug of complex data types including scope information. Programming. Data Gateway Interface: SPI, TWI and 4 GPIOs. Virtual COM port (CDC).
- **USB powered**
- **Supported with application examples in Atmel Software Framework**

Ordering Information

Ordering Code	Atmel Store Availability ¹	Unit Price ²	Buy Online
ATSAM4S-XSTK			Check Distributor

¹Backlog orders can be placed for items currently not available.

²Suggested retail price per unit for budgetary use only.



Contents: ATSAM4S-XPRO MCU board; IO1, OLED1, and PROTO1 extension boards; 2 micro USB cables



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