SAM W25 Xplained Pro Evaluation Kit
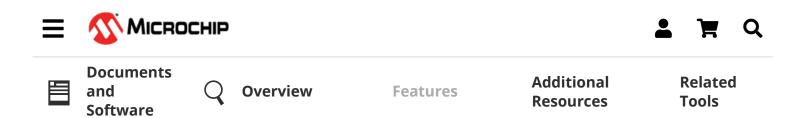
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Part Number: ATSAMW25-XPRO

Summary:

The SAMW25 Xplained Pro evaluation kit is a wireless hardware platform to evaluate the ATSAMW25H18-MR510PB Wi-Fi module which is based on the industry - leading low - power 2.4GHz IEEE 802.11 b/g/n Wi-Fi ATWINC1500 SoC (System on Chip) combined with the ARM® Cortex - M0+ ATSAMD21G18A microcontroller. Supported by the Studio integrated development platform, the kit provides easy access   View More

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BUY

Product Features

- The ATSAMW25H18-MR510PB Wi-Fi module with 2.4GHz IEEE 802.11 b/g/n Wi-Fi ATWINC1500 SoC (System on Chip) combined with the ARM® Cortex - M0+ ATSAMD21G18A microcontroller

- Embedded debugger (EDBG)

  - USB interface

  - Programming and debugging on board SAMW25 through Serial Wire Debug (SWD)

  - Virtual COM-port interface to target via UART

  - Microchip Data Gateway Interface (DGI) to target via SPI, I2C, GPIO

  - One yellow status LED, one green LED - Board Power status

- Three possible power sources

  - External power

  - Target USB

  - Embedded debugger USB

- Two mechanical buttons (user and reset button)

- One yellow user LED

- One Wi-Fi Status LED

- One extension header

- Embedded debugger USB

- Target USB

- 8Mbit Serial Flash

- 12MHz crystal (EDBG)

- Supported with application examples in Atmel Software Framework (ASF)