

# SAM7-P256 DEVELOPMENT BOARD FOR AT91SAM7S256 ARM7TDMI-S

## FEATURES:

- MCU: **AT91SAM7S256** 16/32 bit ARM7TDMI™ with 256K Bytes Program Flash, 64K Bytes RAM, USB 2.0, RTT, 10 bit ADC 384 ksps, 2x UARTs, TWI (I2C), SPI, 3x 32bit TIMERS, 4x PWM, SSC, WDT, PDC (DMA) for all peripherals, up to 60MHz operation
- standard JTAG connector with ARM 2x10 pin layout for programming/debugging with ARM-JTAG
- USB connector
- Two channel RS232 interface and drivers
- SD/MMC card connector
- two buttons
- trimpot connected to ADC
- thermistor connected to ADC
- two status LEDs
- on board voltage regulator 3.3V with up to 800mA current
- single power supply: 6V AC or DC required
- power supply LED
- power supply filtering capacitor
- RESET circuit
- RESET button
- 18.432 Mhz crystal on socket
- extension headers for all uC ports
- PCB: FR-4, 1.5 mm (0,062"), soldermask, silkscreen component print
- Dimensions: 120 x 80 mm (4.7 x 3.15")

## DOCUMENTS:

- [SAM7-P256.pdf](#)
- [SAM7-P256.chm](#)
- [How to program SAM7-P256](#)
- [Using Open Source Tools for AT91SAM7 Cross Development - Revision B](#) guide by Jim Lynch

## HARDWARE:

- [SAM7-P256 Schematic](#)

## SOFTWARE:

- [Blinking LED project](#) and [Binary code](#) for SAM-BA load
- [Sample mouse driver with AT91SAM7P256 project](#)
- [UART routines project](#)
- [SD/MMC read/write routines project](#)
- [button read, temperature measurement project](#)