

Key Features

- BLE4.1 SoC with fully embedded stack (link and host layer, including ATT/GATT/GAP) in ROM (128KB)
- Cortex M0-based MCU with 128KB RAM and 256KB Flash (stacked die with SPI interface)
- Onboard ADC (11b) and PWM generator and general purpose timers
- Superior sensitivity (-96dBm) and range (TX pout = 4dBm max)
- Ultra-low power Consumption in advertising, connection, scanning modes
- SPI, UART and I2C as host interfaces
- Integrated PMU with buck DC/DC allows for vbat range of 2.3V-3.6V



Ordering Code	Description
Atmel SAMB11G18A-MU-T	Cortex M0 with 256KB of stacked Flash and BLE 4.1, 6x6 QFN
Atmel ATSAMB11-MR210CA	Certified Module with ATSAMB11A-MU chip and chip antenna
Atmel ATSAMB11-MR510CA	Certified Module with SAMB11 Soc, chip antenna and Crypto memory ECC508A
Atmel ATSAMB11-XPRO	Starter kit with XPlained Pro SAM B11 board, demonstrating BLE health thermometer application with LED control and temperature measurements