AVR-IoT WG Development Board

Introducing the most powerful 8-bit IoT development board yet.

SMART | CONNECTED | SECURE
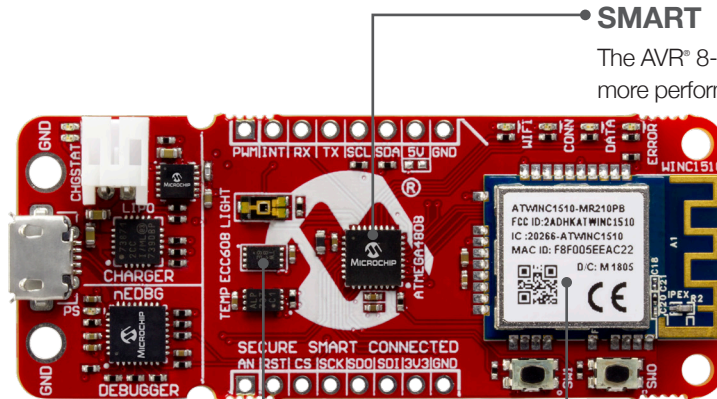
SMART

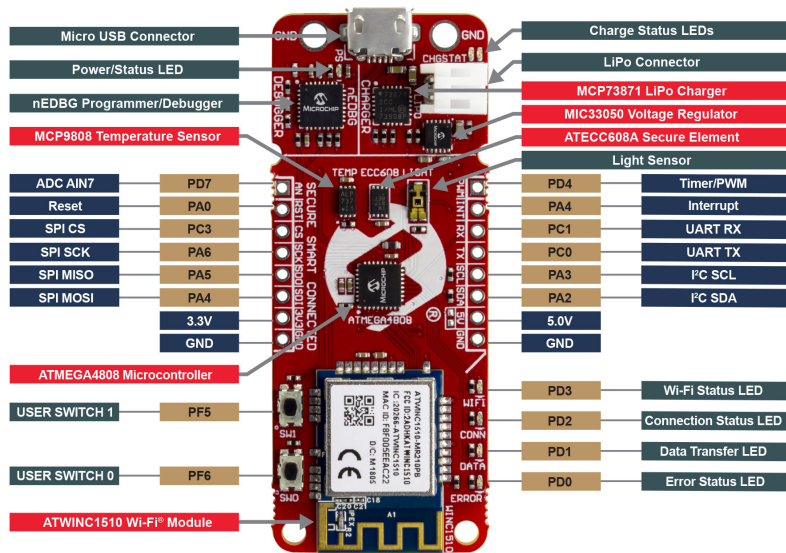The AVR® 8-bit ATMEGA4808 drives more performance with less power.

SECURE

The ATECC608A CryptoAuthentication™ secure element ensures iron-clad security with hardware-based private key storage.

CONNECTED

The low-power ATWINC1510 Wi-Fi® network controller is optimized for battery-powered applications.

MICROCHIP

AVR-IoT WG Development Board Pinout

Micro USB Connector

Power/Status LED

nEDBG Programmer/Debugger

MCP9808 Temperature Sensor

Charge Status LEDs

LiPo Connector

MCP73871 LiPo Charger

MIC33050 Voltage Regulator

ATECC608A Secure Element

Light Sensor

ADC AIN7	PD7	PD4	Timer/PWM
Reset	PA0	PA4	Interrupt
SPI CS	PC3	PC1	UART RX
SPI SCK	PA6	PC0	UART TX
SPI MISO	PA5	PA3	I²C SCL
SPI MOSI	PA4	PA2	I²C SDA
	3.3V	5.0V	
	GND	GND	

ATMEGA4808 Microcontroller

USER SWITCH 1	PF5
USER SWITCH 0	PF6

ATWINC1510 Wi-Fi® Module

PD3	Wi-Fi Status LED
PD2	Connection Status LED
PD1	Data Transfer LED
PD0	Error Status LED

MICROCHIP