

MCU Microcontroller Line

Zbit Semiconductor, Inc. - Product Specifications Summary

32-bit General Purpose MCU Line

Based on the Arm® Cortex®-M0+ core architecture, designed for IoT, consumer electronics, and industrial control.

Technical Highlights

- **Ultra-Low Power:** Leading dynamic power and standby current performance.
- **High Integration:** Built-in multiple timers, communication interfaces (UART/SPI/I2C/I2S), and high-precision ADC.
- **Security:** Multiple hardware encryption and protection mechanisms.

Sub-Series

Category	Target Application	Advantages
General MCU	IoT, Wearables, Smart Home	Wide voltage, cost-effective, rich peripherals
Motor MCU	Drones, Power Tools, Fan Controllers	Optimized PWM and motor drive algorithms

Application Fields

Smart Wearables

Smart Monitoring

Wireless Comm

Industrial Control
