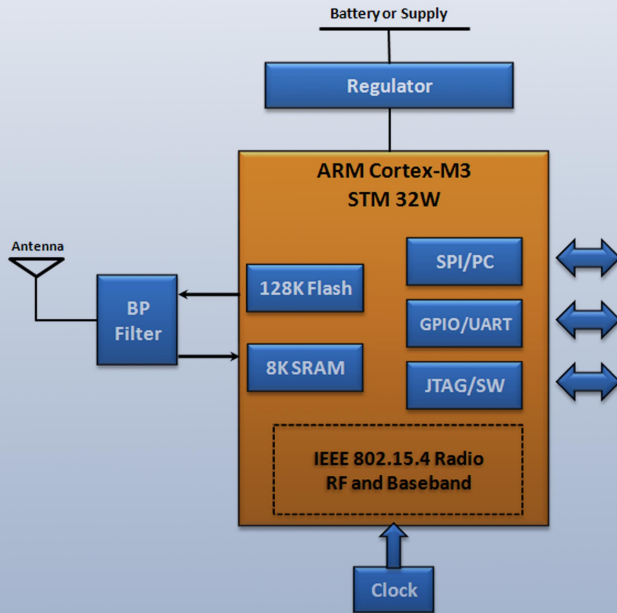


ZB 23

Our micro-sized ZigBee module, with integrated antenna is one of the smallest form factors available. The ZB 23 is designed for maximum performance in a minimal space and includes 6 general purpose input/output lines, several serial interface options, analog-to-digital input.



11.6 mm X 13.5 mm



ZB 23 ZigBee Module Block Diagram

Features

- EmberZnet Pro
- RF4CE and IEEE 802.15.4 MAC
- Full ZigBee standard support
- Complete RF module
- FCC
- 128K bytes Flash memory
- 8K bytes RAM
- 128-bit encryption security
- Range up to 20m LOS
- UART
- SPI and I2C interface
- Best-in-class code density, thanks to its STM32W ARM cortex-M3 core up to 24 MHz
- Configurable I/Os, ADC, timers etc
- 6 general purpose I/O
- 4 x 12bit A/D inputs
- 1 DAC output

Amp'ed RF ZigBee

We've teamed up with ST Micro to offer you the most advanced ZigBee Technology in a variety of highly reliable and affordable platforms.

Wireless Applications

- Energy metering and Control
- Cable replacement/Serial communications
- Industrial diagnostics and control
- Wireless POS transactions
- Telemetry/Remote sensing and data capture
- Medical device communications
- Commercial/Home building automation

Benefits

- Cost efficiency through a true SoC
- Open platform supporting IEEE 802.15.4 based protocol stacks
- Unmatched network throughput and latency
- Longer battery lifetime

