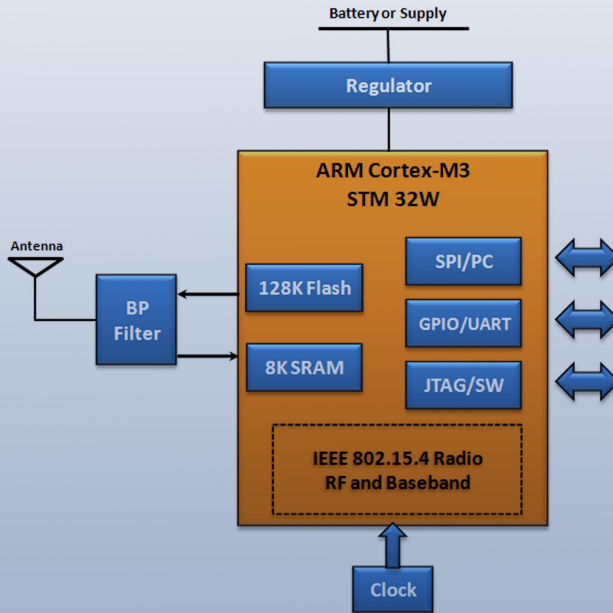


## ZB 11

The added class 1 power, +18dBm, of the ZB 11, gives this module one of the best ranges in the industry. The ZB 11 module includes 16 general purpose input/output lines, several serial interface options, analog to digital inputs.



15 mm X 27 mm



ZB 11 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 200m 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
- 16 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

