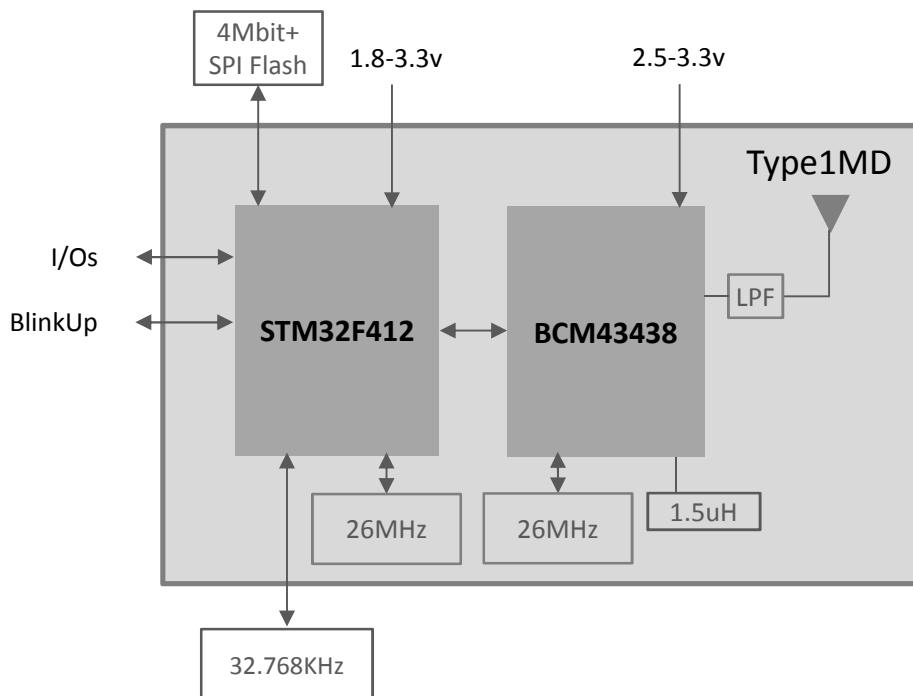## Highly integrated Internet-of-Things node with 2.4GHz WiFi

Key Features

- 802.11 b/g/n WiFi (2.4GHz, 20MHz channels)
- Integrated LPF and crystal
- On-board antenna
- FCC/IC modular approval

- 100MHz ARM Cortex M4 processor
- Over 180kB RAM for application use
- 256kB application code storage
- Secure boot

- On-board RTC (32kHz xtal required)
- 2xAA/AAA operation mode option
- Low power sleep modes
- BlinkUp™ easy setup

- 18x GPIO, soft configurable to support:
    2x SPI, 3x UART, 2x I2C, 7x PWM,
    7x ADC
- All interfaces fully supported at OS level

- 21.0 x 17.5mm LGA package, 112 pins

- Works in conjunction with imp Cloud platform:
    - Secure, managed internet connection
    - Secure, failsafe OTA OS upgrades
    - Secure, failsafe OTA application updates
    - Cloud-side companion Virtual Machine (VM)
    - More information at www.electricimp.com

- Sampling Q3 2016

imp004m
Murata model number Type1MD