

imp004m [Type 1MD]

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

Key Features

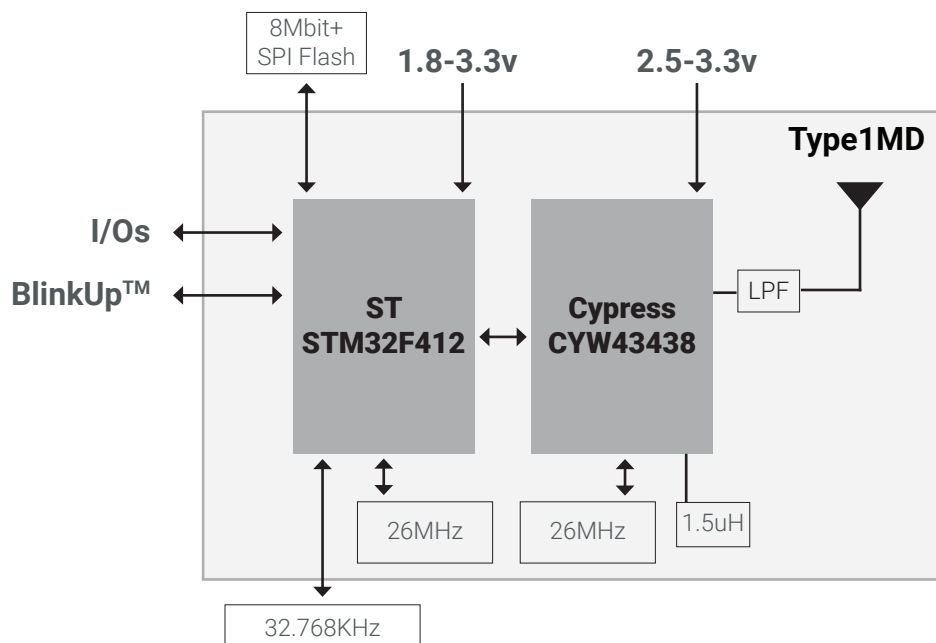
- 802.11 b/g/n WiFi (2.4GHz, 20MHz channels)
- Integrated LPF and crystal
- On-board antenna
- FCC/IC modular approval
- CE tested with reports available
- 96MHz ARM Cortex M4 processor
- Over 180kB RAM for application use
- 256kB application code storage
- Secure boot
- On-board RTC (32kHz xtal required)
- 2xAA/AAA operation mode option
- Low power sleep modes
- BlinkUp™ easy setup
- 18x GPIO, software 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 impCloud™ platform:
 - Secure, managed internet connection
 - State of the art EDH forward secrecy
 - Secure, failsafe OTA OS upgrades
 - Secure, failsafe OTA application updates
 - Cloud-side companion Virtual Machine (VM)
- In mass production

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Murata model number Type 1MD



electric imp



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