

## imp005 [Type 1GC]

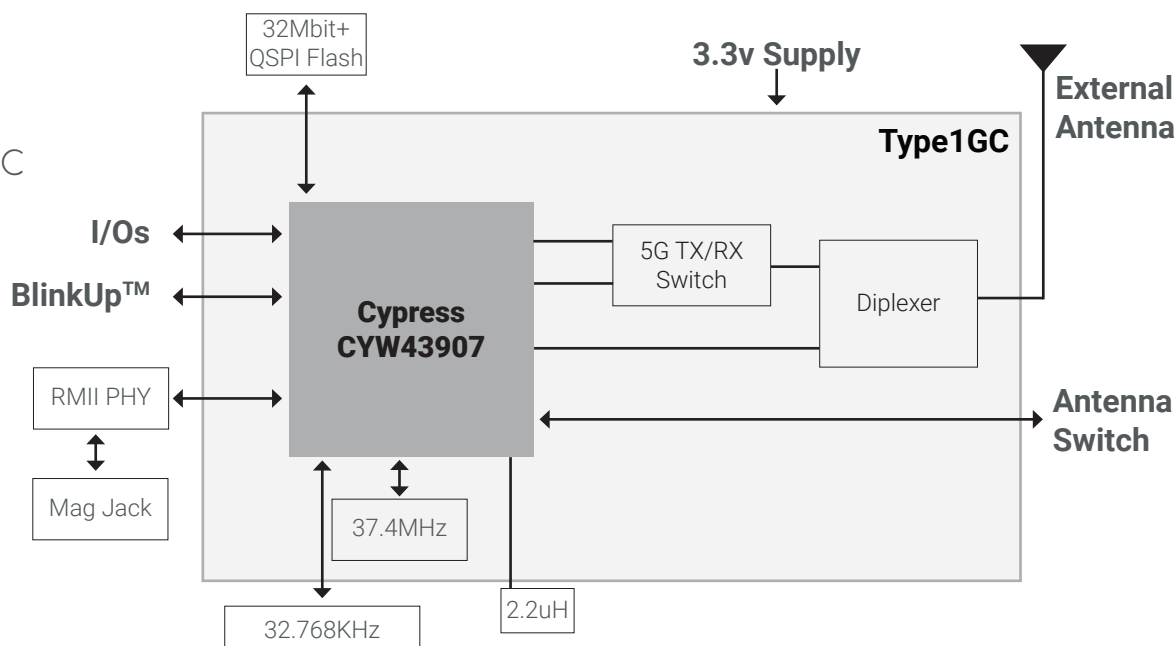
Highly integrated Internet-of-Things node with dual band WiFi and Ethernet

### Key Features

- 802.11 a/b/g/n WiFi (2.4GHz & 5GHz channels)
- 20/40 MHz channels
- Integrated diplexer, external antenna switch controls
- FCC/IC modular approval
- CE tested with reports available
- 10/100Mbps Ethernet via RMI interface
- 320MHz ARM Cortex R4 processor
- 32kB instruction & data caches
- Over 1.2MB RAM for application use
- Secure boot from external QSPI
- On-board RTC (32.768kHz xtal required)
- BlinkUp™ easy setup
- Dedicated interfaces: 1x SPI, 2x I2C, 3x UART
- 28x GPIO, soft configurable to support:
  - 1x SPI, 1x I2C, and 6x PWM
- USB 2.0 FS host
- All interfaces supported at OS level
- 10.0 x 10.0 x 1.2mm LGA package, 136 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 1GC



electric imp



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