



System-On-Module: Riddle™ Family

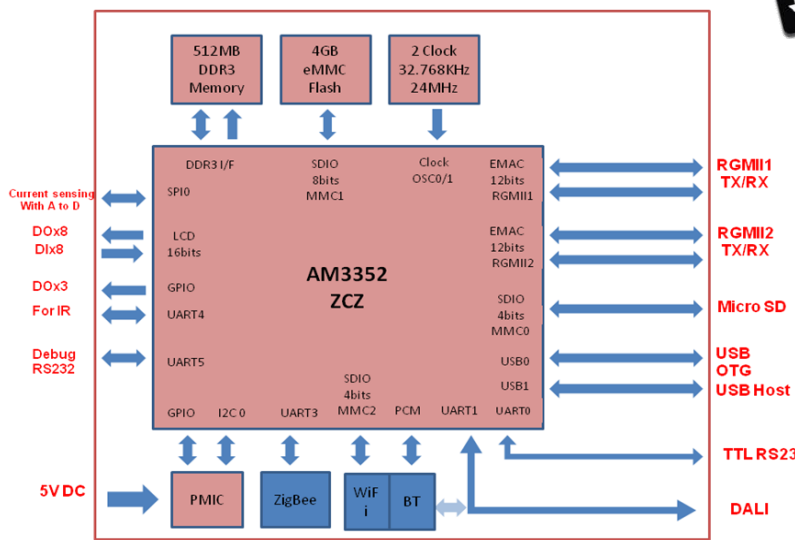


Block Diagram: Riddle™ ZigBee



Texas Instrument® Sitará™ Value Proposition

- **Leading in low power consumption**
 - ✓ Differentiated ARM+PRU architecture enabling integrated multi-protocol Industrial communications
- **Scalability in CPU performance**
 - ✓ 275MHz to 1GHz (Pin-to-Pin compatible)
- **Scalability for the entire automation System**
 - ✓ ARM only, ARM+PRU, ARM+PRU+GFX options (Pin-pin compatible)



High level product specification-Riddle™ ZigBee Version

- Dimension
 - 68 x 30 mm
- CPU
 - TI AM3352BZCAZ80 (Cortex-A8)
- Memory
 - 512MB DDR3
 - 4GB eMMC
- OS : Linux v3.x
- Connectivity
 - WiFi 802.11 b/g/n
 - Bluetooth 2.1+EDR (Optional)
 - ZigBee
- Antenna Interface
 - IPEX connector for WiFi x 1
 - IPEX connector for ZigBee x 1
- Ethernet
 - 10/100/1000Mb/s RGMII x2
- IO Interface (SODIMM 204pin)
 - RGMII (Ethernet) x 2
 - UART x 4
 - w/ HW flow control x 3
 - w/o flow control x 1
 - USB x 2
 - OTG x 1
 - Host x 1
 - SPI x 1
 - I2C x 1
 - GPIO x 15
 - SDIO for MicroSD x 1
 - LCD x 1
 - 16bit data, Hsync, Vsync, DE, PCLK
 - PCM x 1
- Power Supply: 5V, 0.8A
- Operating Temperature: -20°C~70°C