

Universal Zigbee Interface Module

Value Proposition

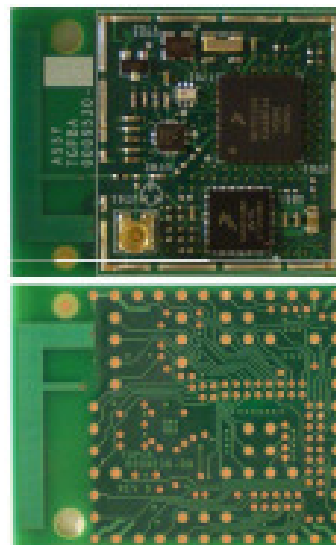
- Wireless solution with minimal engineering time
- Simply populate onto a personality card and write your application specific code
- Low Cost High Quality Wireless Solution
- Proven and well-tested Zigbee stack
- Easy to customize as a Zigbee Coordinator, Router, or Reduced Function Device
- Designed for the needs of Smart Energy Profile 2.0
- FCC and CE Certified

Features

- Based off of Freescale's MC13224V PIP processor
- 100mW (+20dBm) RF Transmit Power
- -95dBm Receiver Sensitivity
- Extremely low power consumption
- Outdoor Range with PA: 4000' line-of-sight
- Outdoor Range without PA: 300' line-of-sight
- SW Development Kits for Home Automation, Smart Energy and other application profiles
- Small-Size (1.2" x 1.5")
- "Connector-less" host-board interface (BGA)

Specifications

- IEEE 802.15.4 Compliant
- 2.4 GHz Zigbee transceiver
- Optional Real-Time Clock and Power Amplifier
- PC Board Antenna with optional external antenna (MMCX)
- Highly Secure Hardware based AES Coprocessor
- Frequency Agility and PAN ID Conflict Resolution
- VCC = 3.3V @ I=210mA (TX), 30mA (RX), 2uA (hibernate)



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