

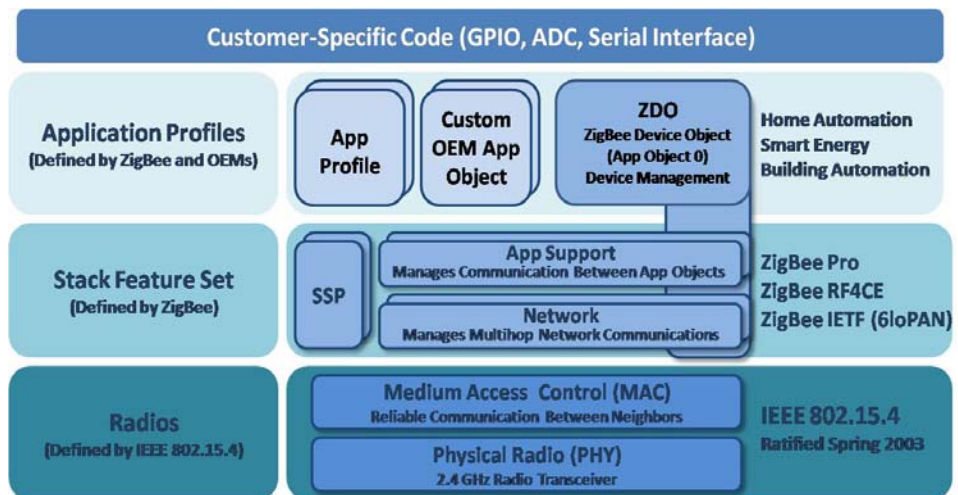
- ZigBee Pro Compliant
- 27mm X 15mm
- Integrated PA/LNA
- Max. Output Power: +20 dBm
- Integrated 512KB of Serial Flash
- Integrated 2.4GHz Antenna
- 2.4V to 3.6V Battery Operation



Description

SyChip's SyNode™ Device (SN3020) is the industry's smallest ZigBee module with integrated PA/LNA, antenna, and memory for Smart Energy applications. It has 512KB of serial flash memory and offers the best-in-class ZigBee RF receiver sensitivity at -103dBm with up to 20 dBm output power for long range. The ARM® Cortex M3 microprocessor is optimized for high performance, low power consumption, and efficient memory utilization making it ideal for ZigBee Smart Energy applications.

The SyNode™ devices are designed to be easily integrated into designs without the need for RF or embedded software expertise. Using a SyNode™ device allows designers to add the latest meshing radio technology without complex software engineering.



Features

- Complete ZigBee Pro Compliant Profiles
 - Smart Energy
 - Home Automation
- Integrated PA/LNA
- Integrated 512KB of Serial Flash Memory
- Low Power Operation
 - Sleep – 1.2µA w/timer
 - Transmit – 165mA@20dBm
 - Receive – 31mA
- Best-in-Class Radio Receive Sensitivity: -103 dBm
- Max. Output Power: +20 dBm
- FCC Certified
- ES: Available Now