



SMT and SPI added to Zigbee modules

Digi has introduced the XBee and XBee-Pro ZB embedded Zigbee modules based on the Ember EM357 SoC. The modules add surface mount technology and the SPI serial peripheral interface to the family.

The SMT modules are suitable for high-volume applications in the energy and controls markets where manufacturing efficiencies are critical. The addition of the SPI provides high-speed throughput and optimises integration with embedded microcontrollers lowering costs of development and shortening time to market. The modules use Zigbee Smart Energy-ready firmware for supporting the implementation of each of the eight devices defined in the Zigbee Smart Energy public application profile. Products developed with the profile are suitable for metering devices, load controllers and in-home displays.

The modules with SMT will be backwards compatible with existing hardware and software. Available in various protocols for different applications, one XBee can be substituted for another with little development time. When coupled with a Connect Port X gateway, designers can also use the IDigi platform to integrate XBee Zigbee endpoints into their systems.