

RAPIDLY INTEGRATE ZIGBEE SMART ENERGY & HOME AUTOMATION



RapidSE™

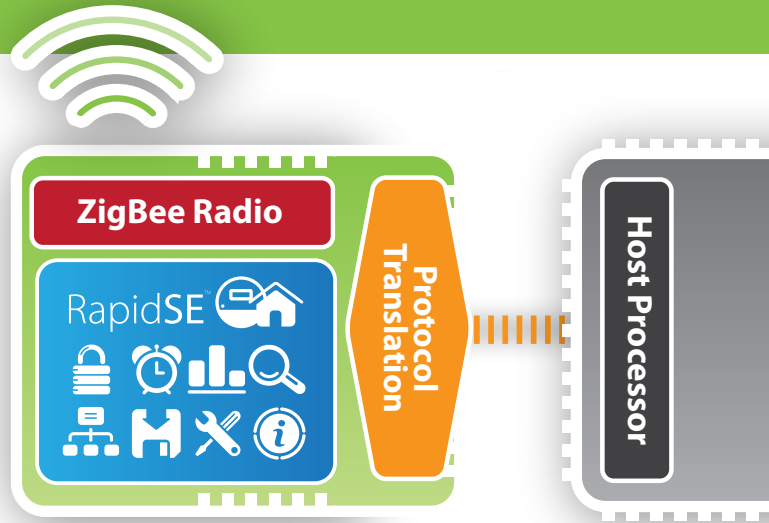
A drop-in platform that allows OEMs to leapfrog application development, save time and cost, and deliver to multiple markets simultaneously.

AUTOMATION

Much more than just a radio or networking stack, RapidSE **fully automates** the ZigBee Smart Energy and Home Automation profiles, abstracting complex functionality to the straightforward RapidSE Serial Protocol. This modular approach allows device vendors to rapidly roll out ZigBee solutions today, while providing a **painless transition to future versions** of the standards, such as Smart Energy 2.0 and beyond.

COMPATIBILITY

RapidSE is built on years of development and experience with ZigBee applications, integration, and testing. Far beyond a reference design, RapidSE **automatically adapts to real-world interoperability challenges** with smart meters, gateways, third-party devices, and testing labs. Integrating RapidSE opens your product up to multiple markets at once. RapidSE is capable of interfacing with standard **Smart Energy and Home Automation** environments, but is also compatible with more advanced home networking solutions such as those from iControl™ and Control4™.



ADAPTABILITY

RapidSE's flexible architecture can be as **turnkey or adaptable as you need it to be**. Simple devices can rely on RapidSE's extensive automation, while more complex devices can query RapidSE and trigger network actions. Developers starting from scratch can make use of the straightforward RapidSE Serial Protocol, or for products with existing communications, **RapidSE can be adapted to speak your devices' existing protocol for a completely effortless integration**.

SERVICES & SUPPORT

RapidSE's interoperability and ease of integration is backed by MMB Research's **world-class support and engineering services**. From supporting your own integration efforts, to developing protocol translations and value-added functionality, to designing customized hardware, MMB Research is able to offer a full range of support and services to accelerate your solution.



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Options for Every Application

RapidSE can be integrated in a number of flexible configurations, from bare and USNAP modules, to USB Sticks, to **embeddable firmware libraries**.

MMB Research offers a variety of RapidSE kits to provide both valuable development tools, and an ideal platform for testing and demonstration.

RapidSE ZigBee Module

Available in configurations including chip or UFL antenna, surface mount, mutli-SIP, or "USNAP" form factors — with configurable power amplification.



Z357PA10

RapidSE Desktop Suite

A Windows application designed to assist in integrating RapidSE, and as a robust control and test platform for ZigBee environments.

RapidSE Desktop simulates an ESI, or a HAN device. The application will generate and transmit every frame in the RapidSE Protocol. This allows developers to easily see how frames are generated and test functionality of peripheral ZigBee Smart Energy devices.

RapidSE ZigBee USB Stick

A USB ZigBee interface for use in conjunction with RapidSE Desktop, or easily connected to your own PC applications, devices, and gateways.



Z357PA20-USB-P

RapidSE Development Board

Used with RapidSE Desktop via USB, or directly connected to prototypes. Connections include USB, UART, or SPI, and an Ember InSight port.



Z357PA21-DEV-P



RapidSE Desktop Kit

RapidSE Serial Protocol Development License
1 Seat License for the RapidSE Desktop Suite
1 RapidSE USB Stick



ZDESK-10

RapidSE Development Kit

RapidSE Serial Protocol Development License
2 Seat Licenses for the RapidSE Desktop Suite
1 Module Programming Fixture
2 RapidSE Smart Energy Modules
3 RapidSE Development Boards
2 RapidSE USB Sticks



ZDEV-10

Show off.

We created a demo version of RapidSE Desktop that you can deliver with product demos. Whether your solution is based on RapidSE or your own implementation, our demo kit will make sure your device is experienced at its best.

ZDEMO-10



RapidSE Demo Kit

RapidSE USB Stick
RapidSE Desktop Demo