

IoT Wireless

PRODUCT SELECTOR GUIDE



Wireless
The world's most robust, reliable,
easy-to-use wireless ICs, SoCs,
and modules.

Silicon Labs Makes it Easy to Build Connected, Interoperable Wireless Products for the IoT

Wireless connectivity is at the heart of the IoT, and we offer the world's widest range of wireless connectivity solutions. Our low-power, feature rich, and secure system-on-chip devices (SoCs), modules, and accompanying software are ideal to meet the demands of IoT systems including lighting, smart metering, home and building automation, asset tracking, and portable medical/fitness equipment.

Whether you're looking to add connectivity to a single device, an industrial complex, or an entire city, we have the wireless protocol to meet your needs and help you get to market faster. We believe a smarter, more connected world benefits everyone and we're on a mission to bringing disruptive technologies to our customers so you can help make this a reality.





Wireless Gecko IoT Connectivity Portfolio

Silicon Labs EFR32 Wireless Gecko portfolio offers the world's most feature rich and highly-integrated RF SOCs and modules. Whether you're updating a protocol, or adding a new one, Gecko can make sure you're ready for whatever comes next. Secure your system from end node to cloud and make use of hardware security technology including a secure bootloader, cryptographic accelerators, a true random number generator (TRNG), and a security management unit (SMU).

Further optimize your designs with application configuration, energy profiling, advanced debugging, and network analysis tools. And, of course, since faster time-to-market is the name of the game, accelerate development with Micrium OS and robust SDKs that span peripheral drivers and wireless communication protocols. Design flexibility is also critical, and pin compatible options make it possible to scale memory, peripherals, and connectivity to match your needs. Our complete IoT wireless portfolio allows you to focus on value-added features and speed with Bluetooth, Wi-Fi, sub-GHz and 2.4 GHz proprietary, Thread, Zigbee, and Z-Wave RF solutions.

PROTOCOL	SUPPORTS 2.4 GHz	STANDARD COMPLIANT RADIO	IP-CAPABLE	CLOUD CONNECTIVITY	SUITABLE FOR	APPLICATIONS
Sub-GHz	No	No	No	Gateway	Long-range narrowband communication	Industrial, Utilities
Wi-Fi	Yes	Yes	Yes	Gateway	Connecting devices directly to the Internet	Appliances, thermostats, occupancy sensors, and point-of-sale scanners
Bluetooth	Yes	Yes	Yes	Smartphone (temporary), Gateway	Audio and voice streaming, device-to-device data transfer, beacons and advertising, and mesh device networks	Consumer, Lighting, Home Automation
Zigbee	Yes	Yes (802.15.4)	No	Gateway	Mesh connected home and commercial networks that enable device-to-device communication, self-healing, and gateway communication	Home Automation, Lighting, Metering
Z-Wave	No	No	No	Gateway	Command and control of fully interoperable mesh network devices administered through a gateway	Home Automation, Lighting, Security
Thread	Yes	Yes (802.15.4)	Yes	Border Router, Gateway	Complex mesh networks with a multitude of device that would benefit from individual IP addressability	Home Automation, Lighting, Building Automation



Silicon Labs provides flexible, highly-integrated Bluetooth products that meet the most demanding requirements for a wide variety of applications. We engineered our products for longevity and have best-in-class RF sensitivity and power consumption. In addition, we offer easy-to-use but powerful software solutions that can help make application development and integration a straightforward process.

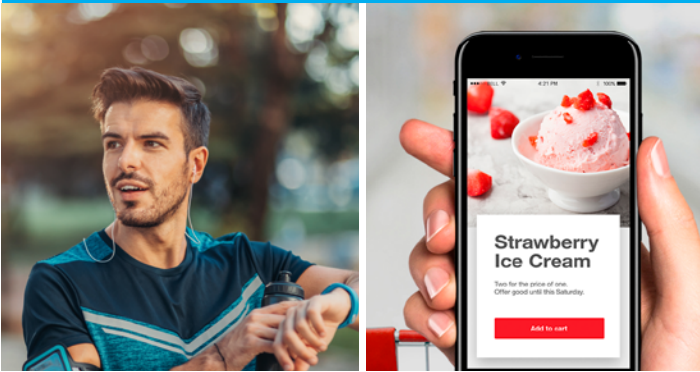
Bluetooth Low Energy

Bluetooth Low Energy (LE) is designed to address the needs of ultra-low power IoT wireless applications with network topologies that include point-to-point for data transfer, broadcast to enable location services, and mesh networking used to create large-scale device networks. With 4x range, 2x speed, and 8x broadcasting message capacity, Silicon Labs' Bluetooth 5 SoCs and certified modules let you realize the full potential of Bluetooth for the IoT. Further take advantage of our wireless stacks and advanced development tools to add Bluetooth LE connectivity to sports and fitness devices, consumer electronics, beacons, lighting, and smart home applications.

Bluetooth Basic Rate/Enhanced Data Rate(BR/EDR)

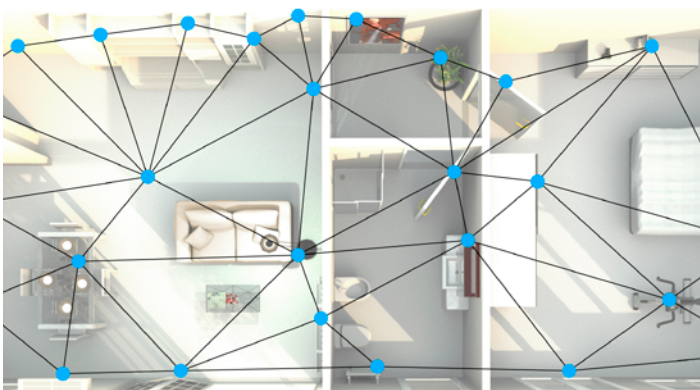
Bluetooth BR/EDR is designed for low power operation and supports point-to-point Bluetooth connectivity, ideal for continuous audio streaming. Silicon Labs' fully integrated Bluetooth BR/EDR solution is the designed specifically for developers that want to quickly integrate Bluetooth wireless technology into their designs without investing months in Bluetooth radio and stack development.

For short burst data



Device to Device Data Transfer

Beacons and Broadcast Advertising



Large Device Networks

For continuous streaming



Voice and Audio Streaming

Design Flexibility



Faster Time-to-market



SoC

Maximum design flexibility
Serves full range of use cases
Programming required
Certification required



Module

Design flexibility
Serves full range of use cases
Programming required
Pre-certified



Wireless Xpress

Complete configurable solution
Optimized for select use cases
Zero programming
Pre-certified

Bluetooth Low Energy Kits

No matter how tough your Bluetooth® Low Energy and Bluetooth 5 applications are, Silicon Labs' Blue Gecko Bluetooth Starter Kits can help. Take advantage of advanced, reliable connectivity without compromising current consumption and battery life.

KIT	PART NUMBER	DESCRIPTION	PRICE (USD)
Blue Gecko BLE SiP Module Starter Kit	SLWSTK6101C	The Blue Gecko Bluetooth Low Energy SiP Module Wireless Starter Kit for BGM11S, BGM121 and BGM123 SiP modules is the easiest and fastest way to start evaluation and development of your own Bluetooth applications. This kit supports Bluetooth 5 and Bluetooth beacon specifications.	\$99
EFR32™ Blue Gecko BLE SoC Starter Kit	SLWSTK6020B	The Blue Gecko Bluetooth Low Energy Wireless SoC Starter Kit includes a Bluetooth Low Energy Software Stack and integrated debug adapter. This enables developers to quickly establish a Bluetooth connection and evaluate Blue Gecko SoCs. This kit supports Bluetooth 5, Bluetooth beacon, and Bluetooth mesh specifications.	\$149
New Wireless Xpress BGX13P Eval Kit	SLEXP8027A	The Wireless Xpress BGX13P evaluation kit includes a Bluetooth Xpress BGX13P module, serial to USB bridge device, full pin access, and an expansion header to connect to all EFM8 and EFM32 Silicon Labs starter kits.	\$40
New Thunderboard Sense 2, Sensor to Cloud and IoT Advanced Development Kit	SLTB004A	Thunderboard Sense 2 is an upgrade to the original Sense Kit featuring updated sensors and an EFR32MG12 SoC with 4x Flash and RAM plus advanced BLE capabilities. It is ideally suited for developing a wide range of IoT applications.	\$36

Blue Gecko Wireless Modules

Quickly introduce Bluetooth® Low Energy (LE) connectivity into your designs with certified modules and software from Silicon Labs. Select from a range of modules including the world's smallest Bluetooth System in Package (SiP) module to add Bluetooth Smart, Bluetooth 5, or Bluetooth mesh functionality to your project.

PART NUMBER	DATA SHEET	KIT	BLUETOOTH 5	BLUETOOTH MESH	RANGE (M)	DIMENSIONS (MM)	TX POWER (DBM)	RX SENSITIVITY (DBM)	MCU CORE
NEW BGM13P		SLWSTK6101C	2M PHY; LE Long Range; ADV Extensions	Yes	600	12.9 x 15.0 x 2.2	8	-94.8	ARM Cortex-M4
NEW BGM13S		SLWSTK6101C	2M PHY; LE Long Range; ADV Extensions	Yes	400	6.5 x 6.5 x 1.4	+18 or +8	-94.1	ARM Cortex-M4
BGM11S		SLWSTK6101C	ADV Extensions	No	200	6.5 x 6.5 x 1.4	+8 or +3	-90	ARM Cortex-M4
BGM121		SLWSTK6101C	ADV Extensions	No	200	6.5 x 6.5 x 1.4	+8	-90	ARM Cortex-M4
BGM111		SLWSTK6101C	ADV Extensions	No	Up to 200	12.9 x 15 x 2.2	+8	-93	ARM Cortex-M4

Bluetooth Xpress Modules

Bluetooth Xpress BGX13P Bluetooth 5 module integrates our BGM13P with an on-board Bluetooth stack, Xpress command interface, and cable replacement firmware pre-programmed, to deliver a serial to Bluetooth 5 solution that requires no firmware development. With integrated antenna, RF certifications, and built-in cloud connectivity for secure updates through the Xpress framework for iOS and Android development, BGX13P addresses every challenge point in Bluetooth development, from device to cloud.

PART NUMBER	DESCRIPTION	SIZE	OUTPUT POWER	BLUETOOTH 5	ANTENNA	INTERFACES
BGX13P	Bluetooth 5 PCB Module	12.9 x 15 x 2.2 mm	+8 dBm (max)	1M, 2M PHY Central, Peripheral	Internal	GPIO, UART
BGX13S	Bluetooth 5 SIP Module	6.5 x 6.5 x 1.4 mm	+8 dBm (max)	1M, 2M PHY Central, Peripheral	Internal	GPIO, UART

Blue Gecko Wireless SoCs

Quickly deliver Bluetooth Low Energy or Bluetooth mesh connectivity with Silicon Labs Blue Gecko energy-friendly SoCs. In addition to Bluetooth connectivity, this family of devices include the option to add multiprotocol sub-GHz and 2.4 GHz. Take advantage of a Bluetooth SDK and Simplicity Studio development tools that support module-based and discrete circuit designs.

PART NUMBER	DEV KIT	FLASH (KB)	RAM (KB)	OUTPUT POWER RANGE (DBM)	BLUETOOTH 5	BLUETOOTH MESH	MULTIPROTOCOL SUB-GHZ BLE	DIG I/O PINS	PACKAGE TYPE
EFR32BG12P132F1024GL125	SLWSTK6020B	1024	128	-30 to 0	2M PHY ADV Extensions	Yes	No	65	BGA125
EFR32BG12P232F1024GM68	SLWSTK6020B	1024	128	-30 to 10	2M PHY ADV Extensions	Yes	No	46	QFN68
EFR32BG12P433F1024GL125	SLWSTK6020B	1024	256	-30 to 19	2M PHY ADV Extensions	Yes	Yes	65	BGA125
EFR32BG13P532F512GM32	SLWSTK6020B	512	64	-30 to 0	2M PHY LE Long Range ADV Extensions	Yes	Yes	16	QFN32
EFR32BG13P733F512GM48	SLWSTK6020B	512	64	-30 to 19	2M PHY LE Long Range ADV Extensions	Yes	Yes	31	QFN48








Bluetooth BR/EDR Kits

KIT	PART NUMBER	DESCRIPTION	PRICE (USD)
Bluegiga WT32i Bluetooth Classic Audio Development Kit	DKWT32i-A	The WT32i Bluetooth development kit is designed for evaluating the WT32i Bluetooth Audio Module and prototyping Bluetooth stereo and mono audio applications.	\$190
Bluegiga WT11u Bluetooth Smart Development Kit	EBWT11u	The WT11u Bluetooth® Development Kit is designed to assess the WT11u Bluetooth module or prototyping and all piloting Bluetooth applications.	\$187
Bluegiga WT41u Bluetooth Development Kit	EBWT41u	The WT41u Bluetooth® Development Kit is designed to assess the WT41u Long Range Bluetooth module or prototyping and all piloting long-range Bluetooth applications.	\$187

Bluetooth BR/EDR Modules

Silicon Labs' Bluetooth BR/EDR modules are completely integrated, certified, and high-performance radio frequency products that include all the necessary Bluetooth profiles.

PART NUMBER	DATA SHEET	DEVELOPMENT KIT	DESCRIPTION	TX POWER (DBM)	RX SENSITIVITY (DBM)	TYPICAL RANGE	DIMENSIONS (MM)
WT12		EBWT12-A	Bluetooth Class 2 Module	3	-86	30 meters line-of-sight	25.5 x 14.0 x 2.4
WT32		N/A	Bluetooth Audio Module	7	-86	N/A	35.75 x 14.50 x 2.6
WT32i		DKWT32i-A	Bluetooth Audio Module	6.5	-90	Up to 200 meters	35.75 x 14.50 x 2.6
WT11u		EBWT11u	Bluetooth Class 1 Module	17	-86	350 meters line-of-sight	35.75 x 14.50 x 2.6
WT41u		EBWT41u	Bluetooth Long Range Module	18	-90	500+ meters line-of-sight	35.55 x 14.50 x 5.65





Silicon Labs' proprietary wireless devices provide high-performance wireless connectivity and ultra-low power 8-bit and 32-bit microcontroller options. With support for major frequency bands in the 142 to 1050 MHz range and 2.4 GHz these devices can be used to develop many classes of Internet of Things (IoT) systems. Addressing IoT applications that span home, commercial, and industrial markets, we have you covered with our proprietary multiband wireless solutions.



Proprietary Kits

Our wireless starter kits simplify proprietary wireless protocol development. Extensive documentation and sample applications, including the popular range test, as well as functionality for lab evaluation, wake-on-radio, bi-directional packet transmission and reception are also provided. Using the [Simplicity Studio](#) suite of tools, developers can take advantage of graphical user interface to quickly generate wireless applications, perform energy profiling and various system optimizations.

KIT	DESCRIPTION	PRICE (USD)
Sub-GHz, 2.4 GHz, and Bluetooth Multiband Wireless Starter Kit	This starter kit is ideal for multiprotocol and multiband development. The kit includes support for Bluetooth® low energy (LE), 2.4 GHz, sub-GHz, and multiband dynamic multiprotocol.	\$439
SLWSTK6060B	EFR32™ Flex Gecko 2.4 GHz and 915 MHz Proprietary Wireless Starter Kit	\$276
SLWSTK6061B	EFR32™ Flex Gecko 2.4 GHz and 868 MHz Proprietary Wireless Starter Kit	\$276
SLWSTK6062B	EFR32™ Flex Gecko 2.4 GHz and 490 MHz Proprietary Wireless Starter Kit	\$276
SLWSTK6063B	EFR32™ Flex Gecko 2.4 GHz and 434 MHz Proprietary Wireless Starter Kit	\$276
SLWSTK6065B	EFR32™ Flex Gecko 2.4 GHz and 169 MHz Proprietary Wireless Starter Kit	\$276

Proprietary Wireless Sub-GHz and 2.4 GHz Dual Band Devices

The EFR32™ Flex Gecko family of wireless SoCs combines an energy-friendly MCU with a highly integrated radio transceiver supporting Sub-GHz and 2.4 GHz proprietary wireless protocols. These devices are supported with SDKs including an intuitive [radio abstraction interface layer \(RAIL\)](#) and [Connect Stack](#) to accelerate proprietary protocol development.

PART NUMBER	DATA SHEET	FLASH (KB)	RAM (KB)	PROPRIETARY 2.4 GHZ	PROPRIETARY SUB-GHZ	MULTIPROTOCOL	DIG I/O PINS	PACKAGE TYPE
EFR32FG12P433F1024GM48		1024	256	Yes	Yes	No	28	QFN48
EFR32FG13P231F512GM32		512	64	No	Yes	No	16	QFN32
EFR32FG13P233F512GM48		512	64	Yes	Yes	No	31	QFN48
EFR32FG14P233F128GM48		128	16	Yes	Yes	No	28	QFN48
EFR32FG14P233F256GM48		256	32	Yes	Yes	No	28	QFN48

Proprietary Wireless Sub-GHz Devices





Sub-GHz devices provide high-performance wireless connectivity and ultra-low power 8-bit and 32-bit microcontroller, RF transmitter, receiver and transceiver options. With support for major frequency bands in the 142 to 1050 MHz range and [wireless M-Bus](#) these devices can be used to develop many classes of Internet of Things (IoT) systems.

FAMILY	DESCRIPTION	MCU CORE	RF FREQUENCY RANGE (MHZ)	FLASH (KB)	RAM (KB)	STARTER KIT
NEW EFR32FG	EFR32™ Wireless	40 MHz ARM Cortex-M4	110 - 956	32 - 1024	8 - 256	View Kits
EZR32HG	EZR32™ Wireless MCUs	25 MHz ARM® Cortex®-M0+	142 - 1050	32 - 64	8	View Kits
EZR32LG	EZR32™ Wireless MCUs	48 MHz ARM® Cortex®-M3	142 - 1050	64 - 256	32	View Kits
EZR32WG	EZR32™ Wireless MCUs	48 MHz ARM® Cortex®-M4	142 - 1050	64 - 256	32	View Kits
Si10xx	Wireless MCUs	25 MHz 8051	142 - 1050	8 - 64	0.75 - 4	View Kits
Si4xxx EZRadioPRO	ISM band receivers and transmitters with support for 802.15.4g and wireless M-Bus	N/A	142 - 1050	N/A	N/A	View Kits
Si4xxx EZRadio	ISM band receivers and transmitters	N/A	27 - 960	N/A	N/A	View Kits





Wi-Fi is one of the most common technologies for wireless connectivity, providing secure, reliable and fast wireless IP connectivity. Silicon Labs' all-inclusive Wi-Fi modules are targeted for applications where excellent RF performance, low power consumption, and easy application development together with fast time to market are key requirements.

Smart Home	Commercial and Retail	Security Solutions	Consumer Healthcare
			
Appliances Ordering Buttons Thermostats	Asset Tracking Occupancy Sensors Point of Sale Cameras	IP Cameras Monitoring and Alarms Remote Mobile Access	Blood Pressure Devices Infusion Pumps Patient Monitoring Systems

Wi-Fi Kits

Open the door to a new class of battery-operated Wi-Fi products that deliver secure, reliable wireless connectivity as the number of connected devices increases in home and commercial networks. Our Wi-Fi starter kits are the easiest and fastest way to start evaluation and development of your own Wi-Fi IoT applications.

KIT	PART NUMBER	DESCRIPTION	PRICE (USD)
Wi-Fi Xpress Starter Kit	AMW007-E04	The AMW007-E04 evaluation board is the easiest and fastest way to evaluate and develop using Gecko OS with the surface mounted AMW007 module .	\$40
Wizard Gecko Wi-Fi Module Wireless Starter Kit	SLWSTK6120A	The Wizard Gecko Wi-Fi Module Wireless Starter Kit provides a quick and easy way to start evaluation and development of your own Wi-Fi IoT applications.	\$129

Wi-Fi Modules

Our Wizard Gecko Wi-Fi modules are targeted for applications where good RF performance, low power consumption and fast time to market are key requirements. These modules excellent RF performance and can provide long range with robust wireless connectivity and security.

PART NUMBER	DATA SHEET	DEVELOPMENT KIT	TX POWER (DBM)	RX SENSITIVITY (DBM)	INTEGRATED MCU	FLASH (KB)	RAM (KB)	INTERFACES	DIMENSIONS (MM)
WGM110		SLWSTK6120A	16	-98	Yes	1024	128	UART, I2C, USB	14.4 x 21.0 x 2.0
AMW007		AMW007-E04	20	-93	Yes	—	96	UART, SPI, GPIO, ADC, PWM	12 x 11 x 1.8
AMW037		AMW007-E04	20	-93	Yes	—	96	UART, SPI, GPIO, ADC, PWM	12 x 11 x 1.8



Silicon Labs is the vendor of choice for OEMs developing Zigbee and Thread networking into their products.

The Silicon Labs 802.15.4 platform is the most integrated, complete and feature rich solution available for Zigbee and Thread — a family of Wireless SoCs, based on Arm® Cortex® processor and 2.4 GHz transceiver, together the most reliable, scalable and advanced software and supported by best-in-class development tools.

Mighty Gecko Development Kit for Zigbee and Thread

Silicon Labs’ mesh networking development kits provide an industry-leading hardware and software development environment for Zigbee and Thread, dramatically shortening design cycles by providing integrated hardware and sophisticated network development, as well as debugging tools based on years of mesh networking and applications experience.

KIT	PART NUMBER	DESCRIPTION	PRICE (USD)
EFR32 Mighty Gecko Starter Kit	SLWSTK6000B	The Mighty Gecko Wireless Starter Kit includes Zigbee and Thread software stacks, sample code and integrated debug adapter. Multiple radio boards enable developers to create a mesh network and evaluate Mighty Gecko Modules and SoCs.	\$499.00

Mighty Gecko Modules for Zigbee and Thread

Silicon Labs’ Mighty Gecko modules integrate the EFR32MG Mighty Gecko SoC into a small form factor module for Zigbee, Thread and multiprotocol networks. Modules enable the fastest time to market and are ideal for lower volume (< 100K) applications. The fully certified modules integrates all components (Crystals, RF passives and Antenna) required for a system-level implementation of Wireless IoT mesh networks. Our modules meet requirements for IEEE 802.15.4 2.4 GHz used in both Zigbee and Thread networks.

FAMILY	MCU CORE	FLASH (KB)	RAM (KB)	RADIO	OUTPUT POWER RANGE (DBM)	DEVELOPMENT KIT	PROTOCOL SUPPORT
NEW MGM13S	ARM-Cortex-M4	512	64	2.4 GHz	Up to 18	SLWRD4305D and SLWRD4305C	
NEW MGM13P	ARM-Cortex-M4	512	64	2.4 GHz	Up to 17	SLWRB4306C	
MGM12P	ARM-Cortex-M4	1024	256	2.4 GHz	Up to 17	SLWRB4304A	
MGM111	ARM Cortex-M4	256	32	2.4 GHz	10, Integrated Antenna	SLWRB4300B	

Mighty Gecko Mesh Networking Wireless SoCs for Zigbee and Thread

The Mighty Gecko family of SoCs is ideal for designing energy-friendly wireless connected IoT devices. Part of the Wireless Gecko portfolio, the EFR32MG supports Zigbee and Thread wireless connectivity. The single-die solution provides industry-leading energy efficiency, ultra-fast wakeup times, a scalable power amplifier, and no-compromise MCU features. The devices are well suited for battery operated applications as well as other systems requiring high performance and low energy consumption.

PART NUMBER	DATA SHEET	KIT	FLASH (KB)	RAM (KB)	OUTPUT POWER RANGE (DBM)	DIG I/O PINS	WIRELESS STANDARDS	MULTIPROTOCOL ZIGBEE BLE	PACKAGE TYPE
EFR32MG12P132F1024GL125		SLWSTK6000B	1024	128	-30 10	65	Bluetooth Thread Zigbee	Yes	BGA125
EFR32MG13P632F512GM32		SLWSTK6000B	512	64	-30 10	16	Bluetooth Thread Zigbee	Yes	QFN32
EFR32MG13P733F512GM48		SLWSTK6000B	512	64	-30 19	31	Bluetooth Thread Zigbee Sub-GHz	Yes	QFN48
EFR32MG14P733F256GM48		SLWSTK6000B	256	32	-30 19	28	Bluetooth Thread Zigbee Sub-GHz	No	QFN48
EFR32MG1P133F256GM48		SLWSTK6000B	256	32	-30 16.5	28	Bluetooth Thread Zigbee Sub-GHz	No	QFN48



Silicon Labs owns the Z-Wave wireless protocol. Focused 100% on the smart home, Z-Wave technology is an open development environment for products and services, and powers a large ecosystem of smart things for the IoT. Z-Wave offers industry-leading low power technologies for smart devices, including intelligent sleep modes.

Every product in the Z-Wave ecosystem is interoperable and backwards compatible, regardless of type, brand, manufacturer or version. The latest Z-Wave innovation, SmartStart, simplifies smart home product installation, and changes the game for both professional service providers and DIY consumers. Security 2 (S2) framework puts the Z-Wave standard at the forefront of IoT security. Homes with S2 Z-Wave devices are virtually unhackable.

Z-Wave Development Kits

Prototype. Refine. Launch. Z-Wave development kits give you the hardware, software, accessories, and documentation you need to quickly create new products, or embed Z-Wave technology into your current products.

KIT	PART NUMBER	DESCRIPTION	PRICE (USD)
Controller Development Kit	RBK-ZW500DEV-CON2	Z-Wave 500 series controller development kit to easily create feature-rich, IoT-enabled Z-Wave controllers	\$1,000.00
Embedded Development Kit	RBK-ZW500DEV-EMB2	Z-Wave 500 series embedded development kit to easily embed Z-Wave into your products	\$2,020.00
Regional Development Kits	RBK-ZW500	Z-Wave 500 series regional development kits, available in three frequency variants	\$303.00

Z-Wave Reference Designs

Comprising gateway, application, and controller designs, these reference hardware and software solutions are perfect for companies that want to offer Z-Wave control and monitoring solutions with the most friction-free path to market.

KIT	PART NUMBER	PRICE (USD)
USB Z-Wave 500 Bridge Controller Reference Design	ACC-UZB3-U-BRG	\$25.25
USB Z-Wave 500 Static Controller Reference Design	ACC-UZB3-U-STA	\$25.25

Z-Wave Modules

Z-Wave module solutions satisfy any development and deployment requirements designed for companies that either want to add Z-Wave into an existing product, or create new Z-Wave devices. A Z-Wave modules combines a Z-Wave SD3502 SoC with a built-in microcontroller and Z-Wave RF transceiver, crystal, and passive RF components. Z-Wave modules are ideal for smart home applications such as lighting, sensors, thermostats, remote controls, and, USB sticks.

FAMILY	DATA SHEET	DEVELOPMENT BOARD	DESCRIPTION	BASED ON	FLASH	RAM	SENSITIVITY	PACKAGE
ZM5101		ZDB5101	General Purpose Z-Wave SiP Module	Die	128	16	-105	8 mm x 8 mm
ZM5202		ZDB5202	General Purpose Z-Wave Module	SD3502	128	16	-103	12.5 mm x 13.6 mm x 1.8 mm
ZM5304		ZDB5304	Z-Wave Serial Interface Module with Antenna	SD3503	N/A	N/A	-103	27 mm x 15.2 mm 5.5 mm



Smart. Connected. Energy-Friendly.



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