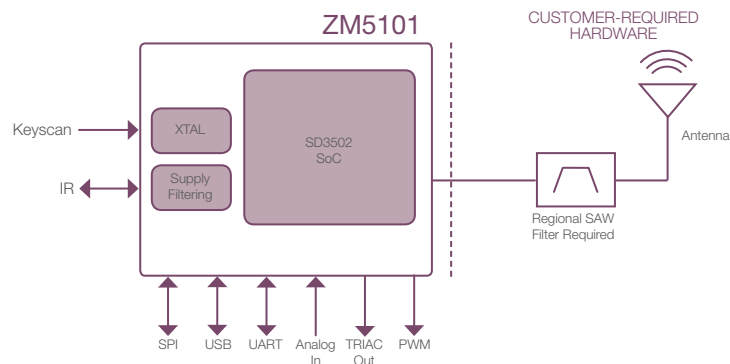


ZM5101

General Purpose Z-Wave® SiP Module



MODULE COMPARISON TABLE

Feature	ZM3102	ZM5202	ZM5101	ZM5304
Application	General Purpose	General Purpose	Serial Interface	Modem Only
Type	PCB Module	PCB Module w/ SAW Filter	SiP w/o SAW Filter	PCB Module w/ Ant. & SAW Filter
Based on	SD3301	SD3502	Die	SD3503
Package	PCB Module 13x14mm	PCB Module 13x14mm	QFN56 8x8mm	PCB Module 13x30mm
Frequency (MHz)	868/908/921	868/908/921	868/908/921	868/908/921
Bit-rate (kbit/s)	9.6/40	9.6/40/100	9.6/40/100	9.6/40/100
FLASH Memory (kB)	32	128	128	N/A
SRAM (kB)	2	16	16	N/A
I/O	10	10	30	N/A
Key-Scan (# Keys)	None	None	128	N/A
IR Support	None	None	Transmit/Learn	N/A
UART/SPI	1/1	1/1	2/2	1/-
USB 2.0 Device	None	None	1	1
Security 128-bit AES	Yes SW Only	Yes HW	Yes HW	Yes HW
Tx RF Power (dBm)	-22 to -2	-26 to +4	-24 to +6	-26 to +4
Rx Sensitivity (dBm)	-102 @ 9.6kbit/s	-103 @ 9.6kbit/s	-105 @ 9.6kbit/s	-103 @ 9.6kbit/s
Tx/Rx Current (mA)	36(@ -2dBm) /23	41(@ 0dBm) /32	32(@ 0dBm) /32	36(@ 0dBm) /33
Sleep Current (µA)	2.5	1	1	2
Battery to Battery (µA)	80	50	50	N/A

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Sigma Designs is a leading provider of system-on-chip (SoC) solutions used to deliver entertainment and control throughout the home:

Media Processing, Smart TV, Video Encoding, Home AV Networking, Video Processing, Home Control

These SoCs are supported with board-level reference designs, sophisticated system software, and technical documentation to form a complete solution for a variety of set-top boxes, smart TVs, consumer electronics, AV network devices, and home control systems.

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