

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

ZM3102

Z-Wave® Integrated Wireless Module for Home Control



The ZM3102 represents the third-generation of Z-Wave® wireless technology, and is ideal for easily adding Z-Wave® control and status capabilities to home control, home security monitoring, and home energy management products. The ZM3102 module includes a Z-Wave® chip and external components required to implement a complete, drop-in solution.

The wireless mesh network technology automatically routes the RF signal from one Z-Wave® node to the next, around obstacles and radio dead spots, resulting in high reliability and assured whole-home coverage.

The ability to also use the Z-Wave® protocol over IP (Internet Protocol) networks allows Z-Wave® enabled products to connect seamlessly using the wireless mesh network, the home network, and the Internet.

Z-Wave® allows both manufacturers and consumers the security of knowing that Z-Wave® certified products, regardless of brand, will work together.

Target Markets

- Home control
- Home security and monitoring
- Home energy management

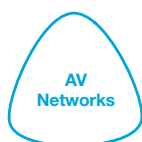
Benefits

- Integration of home, entertainment, security, and energy management control with metadata support
- Seamless interoperability between multiple vendors and applications
- Robust and reliable whole-home coverage through mesh networking
- Z-Wave® protocol over IP (Internet Protocol) networks, such as home network and Internet
- Supports unicast, multicast, and broadcast messages
- Low power consumption for multi-year battery life

Features

- Integrated CPU and RF transceiver
- 32KB flash, 2KB SRAM
- Triac controller
- 4-ch 12-bit rail-to-rail ADC
- Integrated GPIO, SPI, UART, PWM
- Ultra-low power sleep mode
- 40 kbps data rates, low latency
- Uses the unlicensed Short-Range Device (SRD) frequency bands
- Battery monitor and built-in supply regulators
- Power supply: 2.1-3.6V
- 12.5x13.6mm module, 18 pins

Powering the new digital home

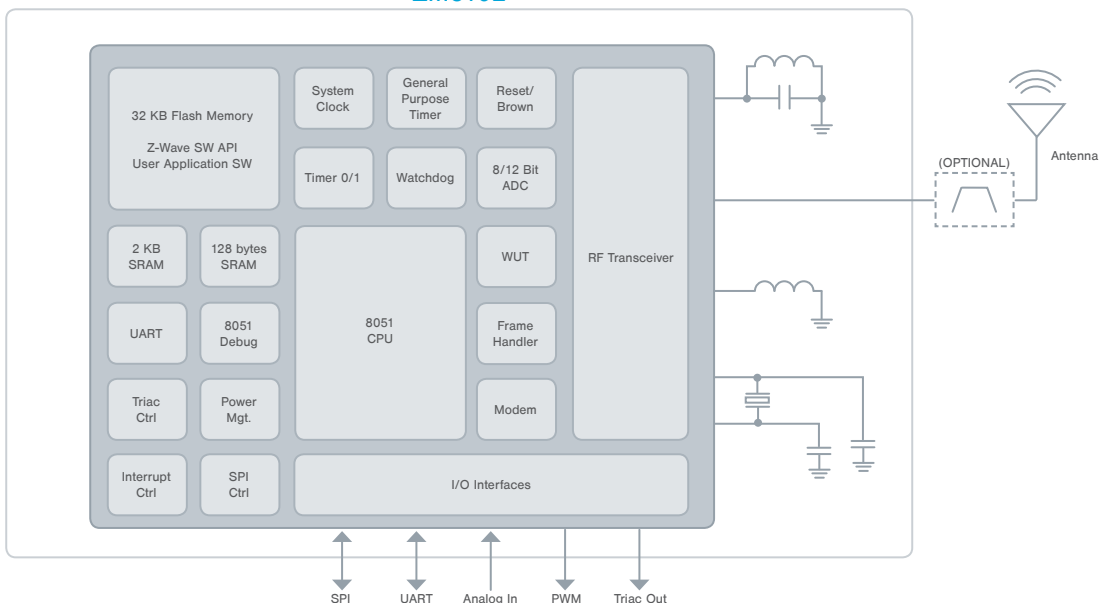


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ZM3102



Z-WAVE® HOME CONTROL MODULE SELECTION GUIDE

	ZM3102	ZM4101	ZM4102
Frequency	868.40...921.42 MHz	779...956 MHz	779...956 MHz
Program Memory	32 KB flash	64 KB OTP	64 KB OTP
SRAM	2 KB	16 KB	16 KB
NVRAM		64 B	64 B
GPIO	10	32	10
Keyboard Scan		128 keys	
UARTs	1	2	1
SPI Ports	1	2	1
USB		•	
AES Security		•	•
IR Transmitter		•	
IR Learning		•	
Data Rate	40 kbps	100 kbps	100 kbps

U.S. Sales Offices

SIGMA DESIGNS, INC.
Tel: +1.201.981.3009

International Sales Offices

AUSTRALIA, INDIA, INDONESIA, KOREA, MALAYSIA, SINGAPORE

Sigma Designs Technology Singapore
8 Kallang Sector
Level 10, East Wing
Singapore 349282
Singapore
Tel: +65.6749.1877
Fax: +65.6749.1844

CHINA

Sigma Designs China
Unit 7C1, TianXiang Bldg.
Tian'An Cyber Zone,
Futian District,
Shenzhen, PRC
Postcode 518048
Tel: +86.755.83435669
Fax: +86.755.83435629

EUROPE

Sigma Designs Denmark ApS
Emdrupvej 26 A, 1.,
2100 Copenhagen O
Denmark
Tel: +45.7020.9940
Fax: +45.7020.9950

HONG KONG

Sigma Designs (Asia) Ltd.
Unit 4001B, Tower 2,
Metroplaza
223 Hing Fong Road
Kwai Fong, N.T. Hong Kong
Tel: +852.2401.7388
Fax: +852.2610.2177

ISRAEL, EASTERN EUROPE

Sigma Designs Israel
38 Habarzel St.
69710 Tel Aviv
Israel
Tel: +972.3.769.6222
Fax: +972.3.644.6253

JAPAN

Sigma Designs Japan, KK
KDX381 Building 2F
3-8-11 Shin-Yokohama
Kohoku Yokohama Kanagawa
222-0033, Japan
Tel: +81.45.470.5877
Fax: +81.45.470.5876

TAIWAN

Sigma Designs (Asia) Ltd.
Far East World Center,
C Tower
6F-6, No. 79, Sec 1
Hsin Tai Wu Road
Hsichih, Taipei Hsien, Taiwan
Tel: +886.2.7708.6818
Fax: +886.2.2653.2278

International Sales Distributors

DIGIKEY

Z-Wave Product Specialist
701 Brooks Ave. South
Thief River Falls, MN 56701
Tel: +1.800.338.4105 x 163
scott.raeker@digkey.com