The ZDM-01 ZigBee module development kit is the ideal platform upon which to develop and test ZigBee-enabled circuits and products using ByteSnap Design's unique ZMM-01 ZigBee Smart Energy module.

Key features

- 110/220V AC supply or DC power input for development work.

- Designed to support rapid product development

- Enables evaluation testing of the ZMM-01 module

- On-board simulation of connected mains load allowing development without working on live equipment

- Breadboarding section to enable testing of customer circuits

- Three customisable button inputs

- 32 character LCD display

Software development

A comprehensive development platform, the ZDM-01 kit provides a rich set of commands, enabling fine-grained control of the ZigBee module, including management of the module's real-time clock.
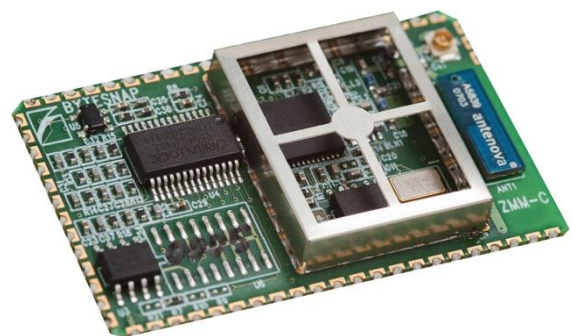
Documentation & support

- ZMM Smart Energy module user guide

- ZDM Development kit user guide

- Release notes

Typical applications

- Smart energy metering

- Street light management and monitoring systems

- Air-conditioning system monitoring and management systems

- Data centre power monitoring and management

- EV charging points

Connections

- Power supply: 8-15V DC or AC mains

- Three pushbutton inputs

- Serial, up to 115200 kbaud via opto-isolators.

ZMM-01 ZigBee Smart Energy module

ZMM-01 ZigBee Smart Energy Module

The ZDM-01 is designed to be used in conjunction with the ZMM-01 module. The ZMM-01 is a new class of low power 2.4GHz ZigBee modules, designed to form the heart of smart metering and control systems. It combines the industry-leading Ember EM357 ZigBee SoC, Cirrus Logic CS5467 AFE together with a highly accurate real-time clock, making the ZMM-01 the first commercially available ZigBee-enabled module that combines both metering and control capabilities with full support of the ZigBee Smart Energy protocol.

The module enables remote metering and control via a ZigBee mesh network and can form that heart of a meter that meets IEC EN62053-21 class 1 or 62053-23 class 2. The module is fully compliant with IEEE 802.15.4-2003.

About ByteSnap Design

ByteSnap Design is a specialist in innovative embedded hardware and software design. Founded in 2008, ByteSnap Design has a client list spanning the UK, Europe and US.

ByteSnap Design offers a team of experienced, talented and innovative software and electronics developers, who provide an award-winning blend of embedded systems services, from hardware design and engineering skills to Windows Mobile, Windows Embedded and iPhone software development. ByteSnap Design is a Zigbee Alliance member and Windows Embedded Silver Partner.

The consultancy also has experience of electronic circuit design, electronic prototype design, designing hardware products from PDAs to smart meters with multiple software projects such as developing Windows CE BSPs to real-time video mixing applications for Windows Mobile.

About ZigBee: control your world

ZigBee offers green and global wireless standards connecting the widest range of devices to work together intelligently and help you control your world. The ZigBee Alliance is an open, non-profit association of approximately 400 organizations driving development of innovative, reliable and easy-to-use ZigBee standards. The Alliance promotes worldwide adoption of ZigBee as the leading wirelessly networked, sensing and control standard for use in consumer, commercial and industrial areas. For more information, visit: www.ZigBee.org.

ZDM-01 with ZMM-01 module installed

Ordering and further information

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