

ZigBit™ Development Tools

Easy-to-Use Tools for Evaluation and Development

MeshNetics offers the developers easy-to-use tools to evaluate the ZigBit 802.15.4/ZigBee module and develop a module-based wireless solution. **Development Kit** is a convenient way to assess range performance and power consumption of modules in-field. Development Kit also enables developers to write custom embedded applications using ZigBeeNet API. Each kit comes complete with everything you need to prototype, develop and deploy wireless applications based on ZigBit module platform.

ZDK Contents:



- 3 x MeshBean development boards
- 3 x USB cables
- 2 x External interface cables
- 1 x software & documentation CD

ZDK Amp Contents:



- 2 x MeshBean development boards
- 2 x USB cables
- 2 x External interface cables
- 1 x software & documentation CD

ZigBit™ Development Kit (ZDK)

and ZigBit™ Amp Development Kit (ZDK AMP)

- **Developer's Tools to Create Custom Applications**
Sample applications in C to speed up application development
Open source hardware interface layer and reference drivers
Intuitive development environment from Atmel
Comprehensive application notes and product tutorials
- **ZigBeeNet: Full-featured ZigBee PRO Stack and Software Development Kit**
A certified software development platform for reliable, scalable and secure wireless applications for ZigBit modules
Enables full spectrum of software customization
- **SerialNet: Serial AT Commands for Easy Application Prototyping**
Allows controlling the module through AT command serial interface
Extension SDK to add custom commands
No embedded programming experience required
- **WSN Monitor: Software for Network Visualization**
Visualizes typical data acquisition scenario
Offers easy way to evaluate range and network performance
Allows remote network configuration from your PC

Support Packages

ZigBit Development Kit is offered with 2 support packages:

• **ZigBit Development Kit Lite** gives you access to standard evaluation and development tools and comes with 45 days of complimentary support. This option is good for product demonstration, platform evaluation and quick application prototyping.

• **ZigBit Development Kit Complete** comes with 1 year of professional support which provides users with continuous software updates, dedicated design-in support, and RF design assistance. It's ideal for customers engaged in a full cycle of developing, prototyping, and launching innovative products made possible by MeshNetics ZigBit wireless platform. It also features early software release access, and additional sample applications, including sources for WSN Demo application, examples of API use, and more.

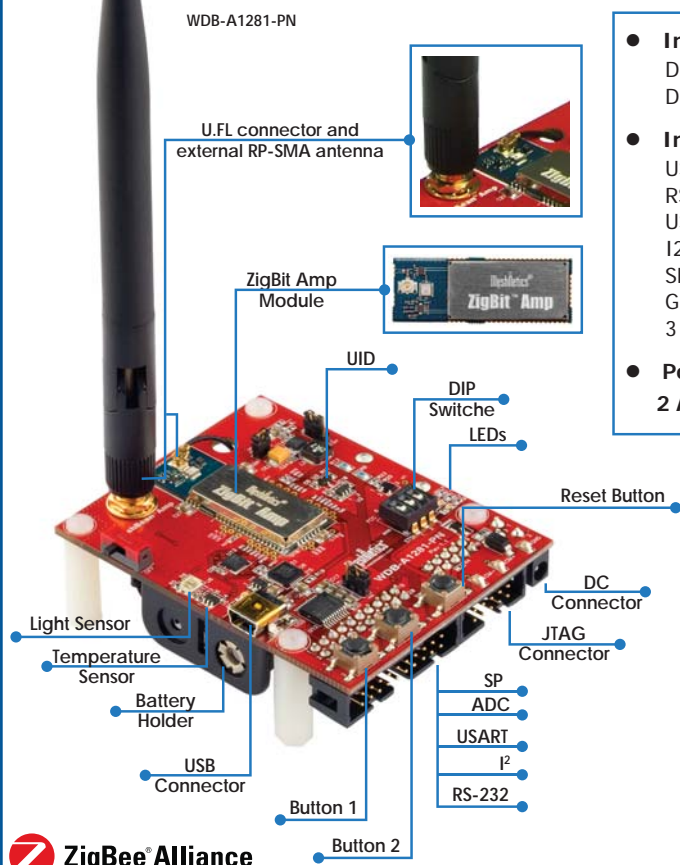
ZDK Edition	Lite	Complete
Part Number	ZDK-A1281-LTE ZDK-A1281-PN-LTE	ZDK-A1281-CPT ZDK-A1281-PN-CPT
Support Duration	45 days	1 year
Hardware design support	+	+
RF design support	+	+
Software development support	+	+
Early software release access	-	+
Access to Gerber Files	-	+
Access to bootloader source code	-	+
Additional sample applications	-	+
SerialNet Extensions	-	+
Response time	72 h, workdays	72 h, workdays
Support channel	E-mail, web	E-mail, web
Price	\$399	\$899

MeshBean Development Board

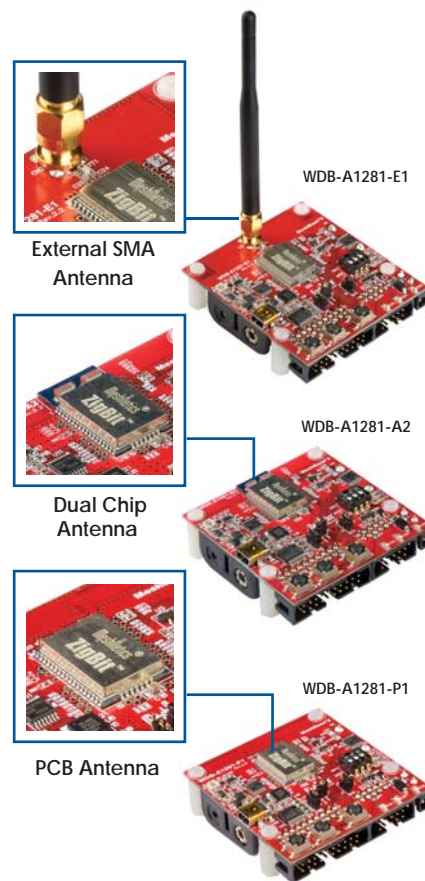
ZDK AMP
Range up to 4km

MeshBean and MeshBean Amp
Development board peripherals:

ZDK
Range up to 1km



- **Integrated Sensors**
Digital I2C Light Sensor
Digital I2C Temperature Sensor
- **Interfaces**
USB
RS-232
USART
I2C
SPI
GPIO pins
3 ADC Lines
- **Power options include USB, 2 AA batteries or mains power**



Ordering Information

Kits	Part Number
ZigBit Development Kit Lite Support option Lite	ZDK-A1281-LTE
ZigBit Development Kit Complete Support option Complete	ZDK-A1281-CPT
ZigBit Amp Development Kit Lite Support option Lite	ZDK-A1281-PN-LTE
ZigBit Amp Development Kit Complete Support option Complete	ZDK-A1281-PN-CPT

MeshBean Development Boards*	Part number
Development Board with PCB antenna for ZDM-A1281-B0 module	WDB-A1281-P1
Development Board with SMA antenna connector for ZDM-A1281-B0 module	WDB-A1281-E1
Development Board for ZDM-A1281-A2 module	WDB-A1281-A2
Development Board with RP-SMA antenna connector for ZDM-A1281-PN module	WDB-A1281-PN

* - Additional MeshBean boards and module samples can be ordered separately

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