





# Development Kits / Evaluation Kits


RFM Development Kits, Evaluation Boards and Evaluation Modules contain everything RF design engineers need to quickly get your application up and running. The Development Kits, Evaluation Boards and Evaluation Modules listed below are available through authorized distributors.


## Ready-made RF Modules

Wireless Sensor Networking **LOW TO MEDIUM DATA THROUGH PUT** Over the Air Data Rates 9.6 kbps - 250 kbps


ZigBee®		• <b>ZMN2405HPDK-B</b> 2.4 GHz Basic development kit for the ZMN2405HP / ZMN2430HP high power module including one RS-232 serial modem, one development board, demonstration software, power supplies, antennas, and batteries	List \$199
		• <b>ZMN2405HPDK</b> 2.4 GHz development kit for the ZMN2405HP / ZMN2430HP high power module including two development boards, demonstration software, power supplies, antennas, and batteries	\$299
		• <b>ZMN2405HPDKPro</b> 2.4 GHz development kit for the ZMN2405HP / ZMN2430HP high power module including five development boards, demonstration software, power supplies, antennas, and batteries	\$499
		• <b>ZMN2405DK</b> Development kit for the ZMN2405 / ZMN2430 low power module including two development boards, demonstration software, power supplies, antennas and batteries	\$299

802.15.4		• <b>LPR24ERDK-B</b> Basic development kit for the LPR2400ER module including two RS-232 serial modems, two LPR2400ER high power modules, demonstration software, power supplies, antennas, and batteries	List \$199
		• <b>LPR2400ERDK Pro</b> Development kit for the LPR2400ER module including five RS-232 serial modems, two LPR2400ER high power modules, demonstration software, power supplies, antennas, and batteries	\$499

Proprietary Mesh		<b>NEW!</b> • <b>XDM2140DK</b> Development Kit for the XDM2140 includes 4 XDM2140 modules, 4 XDM2140 development boards, 1 XG2400E gateway, 1 Ethernet and 5 Serial Cables, 9V Batteries and Wall-mount Power Supplies, Antennas and RF Cables, Quick Start Guide, and program CD containing software and manuals	List <del>\$2995</del> <b>\$1995*</b>
		<i>Limited time special introductory offer \$1000 discount through December 31, 2008</i>	

Proprietary Mesh		• <b>DM2200-434-DK</b> Development Kit for the DM2200-434VM module, includes 1 Base Station module, 3 Field Node modules, 4 IM2200 interface boards, cables, demonstration software, 4 battery packs and 4 power supplies	\$495
		• <b>DM2200-916-DK</b> Development Kit for the DM2200-916VM module, includes 1 Base Station module, 3 Field Node modules, 4 IM2200 interface boards, cables, demonstration software, 4 battery packs and 4 power supplies	\$495
		• <b>DM1810-434-DK</b> Development kit for the DM1810-434M module with 1 Base Station and 3 Field Node modules, 3 Router modules, 3 IM1800-1 and 1 IM1800 interface boards, cables, demonstration software, 3 battery packs and 3 power supplies	\$495
		• <b>DM1810-434-QK</b> "Quick" development kit for the DM1810-434M module with 1 Base Station module, 1 Router module, 2 Field Node modules, 1 IM1810 interface board, and demonstration software	\$199
		• <b>DM1810-916-DK</b> Development kit for the DM1810-916M module with 1 Base Station and 3 Field Node modules, 3 Router modules, 3 IM1800-1 and 1 IM1800 interface boards, cables, demonstration software, 3 battery packs and 3 power supplies	\$495
		• <b>DM1810-916-QK</b> "Quick" development kit for the DM1810-916M module with 1 Base Station module, 1 Router module, 2 Field Node modules, 1 IM1810 interface board, and demonstration software	\$199

Wireless Data Networking **VERY HIGH DATA THROUGH PUT** (Bluetooth®) Over the Air Data Rates 1 Mbps / 2 Mbps / 3 Mbps

Bluetooth®		• <b>EKWT12-A</b> WT12 Class II Bluetooth module Evaluation Kit with 2 eval boards and Onboard Installation Kit	List \$625
		• <b>EKWT11-A</b> WT11 Class I Bluetooth module Evaluation Kit with 2 eval boards and Onboard Installation Kit	\$625
		• <b>EBWT32-A</b> WT32 Class II Bluetooth Audio module Evaluation Kit with 2 eval boards and Onboard Installation Kit	\$395

Sold in USA and Canada Only

## Wireless Industrial Telemetry **HIGH DATA THROUGH PUT** Over the Air Data Rates 172 kbps - 1.23 Mbps



- **DNT900DK** 900 MHz, 500 kbps data rate, contains 2 DNT900P radios installed in DNT900 interface boards, 2 2dBi dipole antennas with two U.FL coaxial jumper cables, 2 9V wall-plug power suppliers, 120/240 VAC, plus 2 9V batteries, 2 RJ-45/DB-9F cable assemblies, 1 RJ-11/DB-9F cable assembly, 2 A/B USB cables, and 1 DNT900DK documentation and software CD

List  
\$359

- **WIT910DK** 900 MHz, 172 kbps data rate, contains 2 HN591 standalone modems, with flow control indicators, RS232 interface, battery pack, power supply, dipole antenna, 2 WIT910M modules, RF cables, antennas, and programming software

\$795

- **WIT2410DK** 2.4 GHz, 460 kbps data rate, contains 2 HN510 standalone modems, with flow control indicators, RS232 interface, battery pack, power supply, dipole antenna, 2 WIT2410M4G modules, RF cables, antennas, and programming software

\$795

- **WIT2411DK** 2.4 GHz, 1.23 Mbps data rate, contains 2 HN511 standalone modems, with flow control indicators, RS232 interface, battery pack, power supply, dipole antenna, 2 WIT2411D modules, RF cables, antennas, and programming software

\$995

- **WIT2450DK** 2.4 GHz, 460 kbps data rate, contains 2 HN550 standalone modems, with flow control indicators, RS232 interface, battery pack, power supply, dipole antenna, 2 WIT2450FG modules, RF cables, antennas, and programming software

\$495

Frequency Hopping  
Spread Spectrum (FHSS)



## RF Subsystem Devices

### SAW-based Short-range Radios - NO additional components needed



#### 2G Development Kits

- **DR1200-DK** 916.5 MHz 2G Development Kit \$350
- **DR1200A-DK** 916.5 MHz 2G Development Kit \$350
- **DR1201-DK** 868.35 MHz 2G Development Kit \$350
- **DR1201A-DK** 868.35 MHz 2G Development Kit \$350
- **DR1300-DK** 433.92 MHz 2G Development Kit \$350
- **DR1300A-DK** 433.92 MHz 2G Development Kit \$350
- **DR2000-DK** 916.5 MHz 2G Development Kit \$450

List

- **DR7001-DK** 315 MHz 3G Development Kit \$200
- **DR7002-DK** 418 MHz 3G Development Kit \$200
- **DR7003-DK** 303.825 MHz 3G Development Kit \$200

List

#### Evaluation Module

- **DR7000-EV** 433.92 MHz 3G Transceiver Evaluation Module \$56
- **DR8000-EV** 916.50 MHz 3G Transceiver Evaluation Module \$56
- **DR8001-EV** 868.35 MHz 3G Transceiver Evaluation Module \$56
- **DR8100-EV** 916.50 MHz 3G Transceiver Evaluation Module \$56

#### 3G Development Kits

- **DR8100-DK** 916.5 MHz 3G Development Kit \$200
- **DR8000-DK** 916.5 MHz 3G Development Kit \$200
- **DR8001-DK** 868.35 MHz 3G Development Kit \$200
- **DR7000-DK** 433.92 MHz 3G Development Kit \$200

List



SAW-based Radios (TR, TX, RX)

### RFIC Radios - Crystals needed (with the addition of a crystal, the RFIC can accommodate multiple frequencies in a single device)

#### Development Kits

- **DR-TXC101-315-DK** 315 MHz Transmitter \$192
- **DR-TXC102-433-DK** 433.92 MHz Transmitter \$192
- **DR-TXC102-868-DK** 868 MHz Transmitter \$192
- **DR-TXC102-915-DK** 915 MHz Transmitter \$192
- **DR-TRC101-315-DK** 315 MHz Transceiver \$192
- **DR-TRC102-433-DK** 433.92 MHz Transceiver \$192
- **DR-TRC102-868-DK** 868 MHz Transceiver \$192
- **DR-TRC102-915-DK** 915 MHz Transceiver \$192
- **DR-TRC103-868-DK** 868 MHz Transceiver \$280
- **DR-TRC103-868-DK-EU** 868 MHz Transceiver \$280
- **DR-TRC103-915-DK** 915 MHz Transceiver \$280

List



#### Evaluation Boards

Evaluation Boards allow for evaluation of the RF performance of their respective transmitter, receiver, or transceiver. The board is designed to serve as a standalone evaluation tool or a simple code development platform.

- **DR-TXC100-315** 315 MHz Transmitter Evaluation Board \$74
- **DR-TXC100-433** 433.92 MHz Transmitter Evaluation Board \$74
- **DR-TXC101-315** 315 MHz Transmitter Evaluation Board \$74
- **DR-TXC102-433** 433.92 MHz Transmitter Evaluation Board \$74
- **DR-TXC102-868-915** 868 MHz and 915 MHz Transmitter Evaluation Board \$74
- **DR-TRC101-315** 315 MHz Transceiver Evaluation Board \$74
- **DR-TRC101-433** 433.92 MHz Transceiver Evaluation Board \$74
- **DR-TRC101-868-915** 868 MHz and 915 MHz Transceiver Evaluation Board \$74
- **DR-TRC102-433** 433.92 MHz Transceiver Evaluation Board \$74
- **DR-TRC102-868-915** 868 MHz and 915 MHz Transceiver Evaluation Board \$74
- **DR-TRC103-868-EV** 868 MHz Transceiver Evaluation Board \$74
- **DR-TRC103-915-EV** 915 MHz Transceiver Evaluation Board \$74
- **DR-TRC104-2400-EV** 2.4 GHz Transceiver Evaluation Board \$74
- **DR-RXC101-315** 315 MHz Receiver Evaluation Board \$74
- **DR-RXC101-433** 433.92 MHz Receiver Evaluation Board \$74
- **DR-RXC101-868-915** 868 MHz and 915 MHz Receiver Evaluation Board \$74

List



- **DR-TRC104-2400-DK** 2.4 GHz Transceiver \$280



RFIC Radios