8-bit Wireless Development Kit - 2.4 GHz IEEE 802.15.4   Buy Now

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Part Number: DM182015-1

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The 8-bit Wireless Development Kit – 2.4 GHz MRF24J40 is an easy-to-use evaluation and development platform for IEEE 802.15.4 application designers. This kit includes Microchip's MRF24J40 transceiver module and also features Microchip's PIC18 XLP microcontroller family. The kit includes all hardware needed to rapidly prototype wireless applications. The demonstration kit is pre-programmed with the MiWi™ protocol stack. You can find the demo instructions in the user's guide. To learn more about the MiWi wireless protocol, please visit www.microchip.com/MiWi.

The PIC18 demonstration board is equipped with a 28-pin PICtail™ connector to interface with Microchip's wireless transceiver PICtail daughter boards such as MRF24J40MA, MRF89XAM8A and MRF49XA.

Developers can reprogram or modify the PIC18 MCU Flash memory, and develop/debug application code all on the same platform.

Note: This kit is not intended for ZigBee® development. For ZigBee development, please visit www.microchip.com/zigbee

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Features   **Package Contents**

- MiWi stack support – MiWi, MiWi P2P and MiWi Pro
- PIC18F46J50 MCU featuring nanoWatt XLP Technology for extreme low power
- MRF24J40MA FCC/IC/ETSI certified module with 25AA02E48 EUI Node Identity serial EEPROM on PICtail daughter board
- MCP9700A Temperature sensor
- LCD display to develop interactive wireless demos (Removable for lower power)
- Board can be powered by either AA batteries or 9V power supply or External Power supply or USB
- RS-232 Serial Accessory board – for debug purposes
- Support other radios – both in 2.4GHz and Sub-GHz frequencies through PICtail connector

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Documents	Last Updated	Size	
Intelligent Metering & Power Monitoring Solutions	1/28/2015 2:00:03 PM	280KB	
8-bit Wireless Development Kit User's Guide	1/24/2012 9:56:47 PM	962KB	
MRF24J40MA Reference Design Files	8/31/2011 7:21:37 AM	657KB	
RS232 Serial Accessory Board User's Guide	1/12/2011 9:36:24 PM	381KB	
LCD Serial Accessory Board User's Guide	1/12/2011 9:04:07 PM	478KB	
RS232 Serial Accessory Board User's Guide	1/12/2011 8:52:31 PM	381KB	
8-Bit Wireless Development Kit Information Sheet	1/11/2011 9:26:33 PM	70KB	

8-bit Wireless Development Kit - 2.4 GHz IEEE 802.15.4 Related Videos.

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