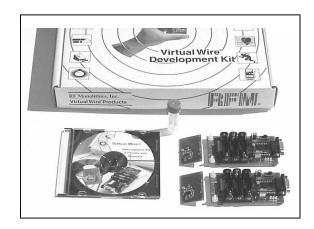# ASH Transceiver "A" Series Development Kits

DR1200A-DK   916.50 MHz
DR1201A-DK   868.35 MHz
DR1300A-DK   433.92 MHz

"A" Series Kit Introduction

RFM's "A" series ASH Transceiver Development Kits demonstrate operation at an "air" data rate of 2 kbps, using a packet data link layer (MAC) protocol implemented in an 8051 microprocessor core. Typical outdoor range for the standard development kits is 150 to 200 meters. These kits are recommended for exploring long range, low data rate applications.

Each Development Kit Contains:

- Two data radio transceiver boards
- Two protocol boards
- Two antennas
- CD containing Manuals, Designer's Guides, Data Sheets and Software
- Quick Start Guide

"A" Series Kit Features:

The "A" series development kits include these features:

- "Out of the box" operation between two Windows-based PC's

- 2 kbps air transmission rate (high sensitivity); 19.2 kbps RS232C data rate

- Excellent receiver off-channel interference rejection

- Wide dynamic range receiver log detection for resistance to on-channel interference

- Reference antennas

- CMOS to RS232C level conversion with provisions for direct CMOS logic interface

- Packet link-layer (MAC) protocol with ISO3309 error detection and automatic packet retransmission; up to 24 message bytes per packet (ATMEL AT892051 micro)

- DC-balanced data coding and PLL-based "integrate & dump" data recovery for robust link performance

- Simple host-protocol interface with host and protocol source code examples

- Diagnostic LEDs for system performance evaluation

- Built in "AutoSend" mode for field testing without a PC