

DR1200/201/300-DK

ASH Transceiver Standard Development Kits



- **DR1200-DK** 916.50 MHz
- **DR1201-DK** 868.35 MHz
- **DR1300-DK** 433.92 MHz

Murata's standard ASH Transceiver Development Kits demonstrate operation at an "air" data rate of 22.5 kbps, using a packet data link layer (MAC) protocol implemented in an 8051 microprocessor core.

Typical outdoor range for the standard development kits is 60 to 75 meters. These kits are recommended for exploring medium range, medium 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**
- **22.5 kbps air transmission rate; 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 protocol with ISO3309 error detection and automatic packet retransmission; up to 31 message bytes per packet (ATMEL AT892051 micro)**
- **DC-balanced data coding for robust RF transmission performance**
- **Simple host-protocol interface with example Visual Basic host terminal program**
- **Diagnostic LEDs for system performance evaluation**
- **Jumper programmable node addresses**



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.