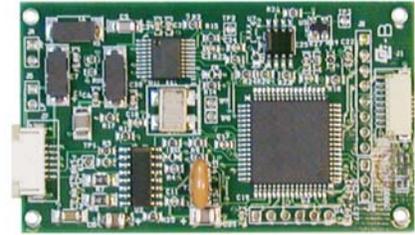


Product Preview

Multi-Function Reader Series 4000

S4100 Multi-Function Reader Evaluation Kit



Description:

Texas Instruments RFid Systems' S4100 Multi-Function Reader (MFR) Evaluation Kit takes RFID integration to a new level.

The kit enables users to experience the MFR and its functions in a PC-based environment.

The Base Application allows users to execute standard read/write/lock commands, as well as experiment with anti-collision and multiple-technology environments.

With standard RS-232 and RS-485 serial I/O ports, the S4100 MFR is a plug-and-play solution, ideal for logical access applications, as well as financial, ticketing, loyalty, access control, and others.

With support for 134.2 KHz and 13.56 MHz contactless technologies, the MFR makes migration from Low-Frequency to High-Frequency technologies painless and transparent.

Modular firmware architecture combined with serial firmware programmability provides for system

scalability, meaning that the reader can be programmed to operate as a stand alone unit, or as part of a host controlled, multi-point system.

The kit includes a platform independent software API, which facilitates development of PC-based software. This API is cross-compatible with other HF readers in the TI portfolio, including the S6500 Long-Range Reader and the S6350 Mid-Range reader, meaning developers can now create a single application to drive a multitude of RFID readers.

Further, the ability to download custom firmware to the MFR module enables integrators to use the MFR as a development platform. Taking advantage of the multiple I/O ports and additional firmware space, developers can eliminate unnecessary components from embedded products.

Key Features:

- Dual Frequency
 - 134.2KHz
 - 13.56 MHz
- Multi-Protocol
 - TI RFid LF Products
 - TI RFid HF Tag-It
 - ISO 15693
 - ISO 14443 A/B
- 2 Serial I/O Ports
 - RS-232
 - RS-485
- 3 User Feedback Mechanisms
 - 2 SW Controlled LEDs
 - 1 SW Controlled Piezo Sounder
- Custom Firmware Downloadable
- Software Development API Included

Common MFR Applications:

- Logical Access
- Financial Transactions
- Card Programming Stations
- Ticketing
- Loyalty Programs
- Access Control

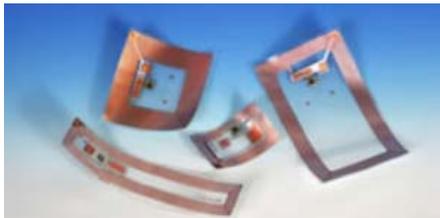


Specifications:

Part number	RX-MFR-RNLK-00
Operating Frequency (HF)	13.56 MHz
Operating Frequency (LF)	134.2 kHz
Supported HF Technologies	TI Tag-it™ inlays and transponders ISO 15693 compliant inlays and transponders ISO 14443 A/B compliant inlays and transponders
Supported LF Technologies	TI LF transponders (DST, R/W & R/O)
Supported ISO Standards	ISO 15693 ISO 14443 Type A & B
Supply Voltage	9 VDC (Regulated)
Transmitter Power (HF)	200 mW
I/O Ports	RS-232, RS-485
User Feedback	2 LEDs, 1 Piezo sounder
Approvals	UL, FCC, CE
Reader Dimensions	5.0" (12.8 cm) x 5.0" (12.8 cm) x 1.8" (4.5 cm)

Kit includes:

- MFR-based Housed Reader
- Universal power supply
- Global power adapters
- RS-232 Communications Cable
- Sample HF and LF Transponders
- Spare MFR module
- Software Resource CD:
 - o Demo Software
 - o Software Development API
 - o Reference Manuals
 - o Additional Resources
- Getting Started Guide



For more information, contact the sales office or distributor nearest you. This contact information, and the most up-to-date specifications for this data sheet can be found on our web site at: <http://www.ti-rfid.com>

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