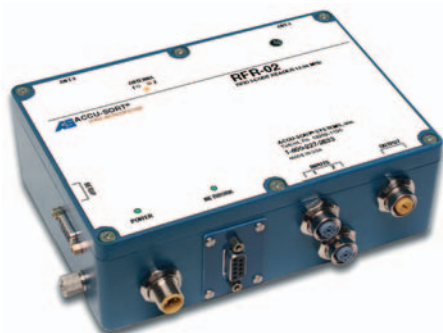


ACCU-SORT®

**RFR-02
13.56MHz Read/Write RFID System**

Available from eData Solutions/Cross Automation 800.866.4568



Easy to Mount

Status LEDs: Power and Read Indicators

Works Outside, in Industrial Areas, or on Vehicles

Reading distance up to 3.1 inches (8 cm) depending upon transponder type

DeviceNet compatibility through DNet converter

The RFR-02 is the perfect reader for your Work In Process application.

This industrial designed multiprotocol reader has been deployed worldwide at leading manufacturers. With the RFR-02, manufacturers can generate rapid return on investment thanks to the expertise and extensive experience of the Accu-Sort RFID team.

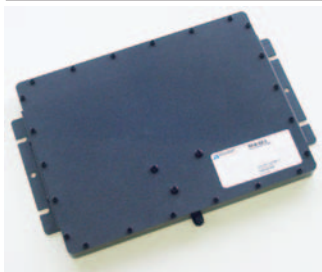
This unit seamlessly integrates into all existing Manufacturing fieldbus protocols including DeviceNet, EthernetIP, Profibus, Profinet, and Modbus. The Accu-Sort packaged RFR-02 can be provided with a power supply and antenna using one part number for ease of ordering.

Antennas sized to fit any application



RFA-02 – 13.56MHz Medium Range Antenna (Up to 6.5 inches)

The economically sized, remote 5" by 7" antenna makes this unit ideal for applications where space constraints are an issue.



RFA-02-2 – 13.56MHz Longer Range Antenna (Up to 11.5 inches)

The 12" x 16" antenna is designed for those applications where a longer read distance is required.



RFA-02-3 – 13.56MHz Standard Conveyor Antenna (Up to 6.5 inches)

With the removal of a roller and the simple installation of this 5" by 16" antenna you are able to read all tags presented in a bottom read orientation.

Photo captions: (TOP LEFT) RFR-02 Transponder, RFID Application with under conveyor RFA-02-3 antenna configuration.

RFR-02

13.56MHz Read/Write RFID System

Operational Specifications

Common

Operating Frequency	13.56MHz
Multiprotocol	ISO 15693, Tag-it, ICODE SLI
Supply Voltage	12VDC Nom. (11.8-14VDC)
Power Consumption	240ma Typ. (Does not include power supplied to I/O Connector)
Connectors	Turck 4-Pin M Eurofast FSFD 4.4-05

Transmitter

Transmit Power	125 mw. Nominal
Transmitter Modulation	20% 1 of 4 ISO 15693 Protocol

Receiver

Sensitivity	Typical -50dbm (FSK mode)
Antenna	50 ohm BNC

Communication Ports

Setup Port	9 pin F D Connector RS232
Network	9 Pin F D Connector, RS232 and RS422

Digital I/O

Inputs	2 – Opto-Isolated. Max. 24VDC or TTL Active Low Two (2) 5-pin Turck Eurofast FKFDW 4.5-0.5
Outputs	2 – Form A Relays. Contacts: 30VDC max @ 500ma One (1) 4-pin Turck Eurofast FKFD 4.4-0.5
Power to I/O	10.8VDC Nom. @ 300ma with ASI supplied Power Supply (with supplied 12VDC)

Performance	ISO 15693 Transponder
Read Rate	90 Single Blocks/second @ 19,200 Baud Rate
Range (typ.)	6" with 2"x 3" tag and 5"x7" antenna

Physical

Visual Diagnostic LEDs	Yellow = Antenna Status Green = Power indication Red = Active Network Communication Blue = Valid Transponder communication
Operating Temp.	0° C. to +70° C.
Storage Temp.	-40° C. to +80° C.
Dimensions: (LxWxH)	6.67" x 4.70" x 2.10
Weight	1.90 lbs.

Options

Dual Antenna
DeviceNet communications
EtherNet/IP communications
Wide Input DC Power (10-30VDC)

Accu-Sort reserves the right to change specifications without notice.



Look for the "RFID ENABLED" logo on Accu-Sort's bar code laser scanners and CCD cameras. It's our assurance that all ACCU-SORT® RFID products will be compatible with your existing bar code scanner infrastructure—capable of working together to solve your expanding business needs.

For more information about auto-ID and material handling solutions from Accu-Sort Systems, contact us at:

ACCU-SORT® SYSTEMS, inc.
511 School House Road
Telford, PA 18969
1-877-ASI-RFID

info@accusort.com
www.accusort.com



©2005 Accu-Sort Systems, inc. All rights reserved.
ACCU-SORT and the AS logotype are trademarks or registered trademarks of Accu-Sort Systems, inc.