

Low Frequency (LF) RFID Solution

R. Moroz Ltd. is a company specializing in bar coding and RFID technologies.

As an RFID technology provider, we provide a complete line of Low Frequency (134.2KHz), High Frequency (13.56MHz) and Ultra High Frequency (860-956 MHz) technologies. R. Moroz Ltd. is a distributor for Texas Instruments RFID, FEIG Electronics and Bancolini. We also represent numerous other manufacturers in the AIDC (Automatic Identification Data Capture) industry.

As a distributor, we are able to supply all hardware components required, such as transponders, readers, antennas and portable hand-held readers. We also supply other components and expertise to develop customized readers and antennas.

As a full solutions provider, our services include design, development, customization, implementation, installation, training and support of any RFID system.

RFID ♦ TRANSPONDERS (Glass, Wedge, Disk, Contactless Cards and Mount-On-Metal)



Low Frequency (LF) transponders come in a variety of form factors to meet any application and many environments.

LF transponders also support various data functionalities such as Read Only (RO), Read/Write (R/W), Multi-page (MPT), Selective Addressable Multi-page Transponder (SAMPT) and Digital Signature (DST) for encryption.

Glass transponders are available in 23mm and 32mm sizes and can easily be embedded into most products. For applications with limited space and requiring extremely compact transponders, the Wedge transponder is ideal.

Standard packaging includes 30mm disk, 85mm disk and cylindrical transponders.

To identify metal products and containers, the Mount-on-Metal transponders have been designed to be mounted directly onto metal surfaces.

For applications such as access control, the plastic contactless card is ideal.

TRANSPONDER TYPE	DATA FUNCTIONALITY	DIMENSIONS	MAX. READ RANGE
23mm Glass	RO,R/W,MPT,SAMPT,DST	3.8mm(diam.) x 23mm	60cm
32mm Glass	RO,R/W,MPT,SAMPT,DST	3.8mm(diam.) x 32mm	100cm
Wedge	RO,R/W,DST	12mm x 6mm x 3mm	20cm
30mm Disk	RO,R/W	29.4mm(diam.) x 8.4mm	60cm
85mm Disk	RO,R/W	85.5mm(diam.) x 5.5mm	150cm
Cylindrical	RO,R/W,MPT	21mm(diam.) x 120mm	200cm
Mount-on-Metal	RO,R/W	102mm(diam.) x 36mm x 16.5mm	120cm
Contactless Card	RO,R/W,DST	85.6mm x 54mm x 0.3mm	100cm

RFID ♦ READERS (Proximity, Mid-Range and Long Range Readers + Reader Modules)



R. Moroz Ltd. offers a complete line of 132.4KHz readers with different reading and writing distances. All readers support Texas Instruments Tiris LF transponders.

Readers are available encased or as modules that can be integrated into control or computer based system and can support one to four antennas.



RFID ♦ ANTENNAS (Stick, Loop, Gate and Custom)



Antennas that are currently available can address many applications and many environments. Standard loop and gate antennas are available in different sizes. For applications with special antenna requirements, R. Moroz Ltd. can customize antennas.



RFID ♦ PORTABLE HAND HELD READERS (Hand Held Computer)



For applications that require portability, R. Moroz Ltd. offers portable terminals with integrated readers. The portable terminals will support 125KHz and 134.2KHz transponders and can also conform to the ISO 11784 and 11785 standards for animal identification. Also available are portable terminals with RFID and barcode scanning capabilities. Portable terminals, which are designed to handle any environment, including very harsh environments, can operate either in a batch mode or can be wireless on-line using standard 802.11x radios.

R. Moroz Ltd. sells to, services and supports its clients globally, either directly or via its dealer network.

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