



Multi-Protocol

- EPC Gen 2
- ISO 18000-6A, 6B
- UCode 1.19
- Class 1
- Class 0, 0+
- EM4222
- EM4223

Multi-Regional Technology

Easily Supports New Tag Protocols

Easy Adaptation of New Standards

INfinity 9310

Low Power UHF Reader Module

The OEM Solution

The IM9310 Low Power UHF Reader Module is the perfect OEM solution for incorporation into barcode printers, printer applicators, and other devices requiring UHF tag programming and reading.

With its multi-protocol format, the IN9310 allows you to both read and write to the widest array of tag protocols and, with simple software upgrades, is compatible with the Gen 2 EPC standards.

The IN9310 Low Power UHF Reader Module is a member of the Sirit family of products which provide a complete solutions for large and small RFID applications. The IN9310 OEM Reader can provide a cost effective solution for your extended range, high-speed RFID applications.

Applications

- Barcode Printer/ Encoders
- Smart Label Applicators
- Point-of-Sale Systems
- RFID Label Programmers
- Short Range Reader for:
 - Library Management
 - Point of Sale Systems
 - Other Data Collection Devices



INfinity 9310

Low Power UHF Reader Module



Performance Characteristics

Multi-protocol technology	Supports multiple tag protocols Easy adaptation of new standards
RS-232 and Optional Ethernet Interface Connections	Enhanced integration capability Optional Ethernet connectivity
Digital Input and Output Lines	Integrated ability to sense external triggers and control actuators
Adjustable transmit power and reader sensitivity	Ability to optimize configuration for each installation
Multiple tag read / write capability	Full support of UHF read / write tags
Field upgradeable	Ability to remotely update reader software

Specifications

Frequency	915 MHz (FCC), 869.525 (ETSI)
RF Power	0.1 - 0.5W
Antenna	50 Ohm, 1.25: 1 VSWR Max
Electrical Power	5.0 Vdc, +/- 10%
Interfaces	RS-232, Ethernet (optional)
Digital Input / Output	(2) Digital input lines (optically isolated) (2) Digital output lines (open collector, 5V, 40 mA sink)
Case Material	Aluminum
Dimensions	1.4 in x 2.9 in x 7.6 in (36 mm x 73 mm x 201 mm)
Weight (PCB and case)	10 oz. (285 g)
Operating Temperature	0° C to 70° C
Operating Humidity	80% relative, noncondensing



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About Sirit Inc.

Sirit Inc. (TSX: SI) is a leading provider of Radio Frequency Identification (RFID) reader technology to OEMs and solution providers worldwide. Harnessing the power of Sirit's enabling-RFID technology, customers are able to more rapidly bring high quality RFID solutions to the market with reduced initial engineering costs. Sirit's products are built on more than 13 years of RF domain expertise addressing multiple frequencies (LF/HF/UHF), multiple protocols and are compliant with global standards. Sirit's broad portfolio of products and capabilities are easily customized to address new and traditional RFID market applications including Supply Chain & Logistics, Cashless Payment, Access Control, Automatic Vehicle Identification, Inventory Control & Management, Asset Tracking and Product Authentication. For more information, visit www.sirit.com.



The "RFID by Sirit" symbol signifies that Sirit Inc.'s high quality RFID reader technology resides within this product.

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IN9310_06-07 rev01