



Plug-n-Play RFID

Universal Serial Bus RFID Reader

Overview

Sirit's Plug-n-Play USB RFID Reader was designed to broaden access to RFID technology beyond the engineering lab and into the mass market, by enabling quick, easy, and cost-effective integration of RFID technology into devices without the need for complex engineering support or technical know-how. Utilizing the nearly ubiquitous industry standard Universal Serial Bus (USB) 2.0 interface and an integrated reader-antenna packaging, Sirit's Plug-n-Play USB RFID Reader can transform a myriad of everyday devices including laptop PCs, desktop PCs, point of sale terminals, kiosks, and Internet appliances into cost-effective RFID readers and writers. Furthermore, the 'plug and play' capabilities of the Sirit offerings allow devices to be upgraded on an aftermarket basis, and in the field, thereby providing an extremely quick and cost-effective method to preserve existing investments in devices and evolve legacy equipment to support RFID technology.



Utilizing patent-pending technology, the Sirit Plug-n-Play USB RFID Reader supports a broad range of high frequency (13.56 MHz) RFID transponders, tags, and smart labels including ISO 14443A&B, ISO 15693, ISO 18000-3, INSIDE PicoTag™, HID iClass®**+, Tagsys C320*, MIFARE® Ultralight, MIFARE Classic*, MIFARE DESFire, MIFARE PROX*, MIFARE PRO*, FeliCa™*, KSW TempSens®, KSW VarioSens® and supports both Microsoft® Windows® XP and Windows® 2000. The Sirit Plug-n-Play USB RFID Reader also features a small tabletop footprint and low power consumption, thus providing an optimal solution for a myriad of applications.

Applications

Featuring "plug and play" integration, broad multi-protocol RFID support, and aftermarket installation capabilities, Sirit's Plug-n-Play USB RFID Reader enables a wide range of form-factors to meet high growth mass market applications, including contactless/cashless payment point of sale systems, public transportation and transit ticket collection stations, smart kiosks, smart shelves, product authentication terminals, access control stations, ePassport readers, and patient management terminals.

FEATURES

- 'Plug and play' industry standard USB interface
Transforms virtually any device into a RFID reader/writer
- Multiprotocol RFID support
Reads / writes to a broad range of high frequency (13.56 MHz) transponders, tags, and smart labels
- Leading operating system compatibility
OS support includes Microsoft® Windows® XP, Windows® 98, Windows® ME and Windows® 2000
- Drives significant ROI by preserving legacy equipment investments
Cost-effective upgrade path for existing devices through aftermarket installation of RFID functionality

PROTOCOLS SUPPORTED

- ISO 14443A&B
- ISO 15693
- ISO 18000-3
- INSIDE PicoTag™
- HID iClass®**+
- Tagsys C320*
- MIFARE® Ultralight
- MIFARE® Classic*
- MIFARE® DESFire
- MIFARE® PROX*
- MIFARE® PRO*
- FeliCa™*
- KSW TempSens®
- KSW VarioSens®

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USB RFID Reader



Performance Characteristics

Frequency:	High Frequency band, 13.56 MHz
Supported Transponders:	ISO 14443A&B, ISO 15693, ISO 18000-3, INSIDE PicoTag™, HID iClass®*+, Tagsys C320*, MIFARE® Ultralight, MIFARE Classic*, MIFARE DESFire, MIFARE PROX*, MIFARE PRO* FeliCa™*, KSW TempSens®, KSW VarioSens®
Communications Protocols:	USB 2.0
Communications Parameters:	USB 2.0
Communications Signal Level:	USB 2.0
Interface Connector:	USB mini
Antenna Connector:	Integrated internal antenna
Host OS Support:	Microsoft® Windows® XP and Windows® 2000

Physical Characteristics

Dimensions (LxWxD):	76.5 X 14.2 mm (3.02 dia. x 0.56 in.)
Weight:	42.0 g (1.5 oz.)
Mounting:	Tabletop reader with USB connector

Environment

Operating Temperature:	0° to +40° C
Storage Temperature:	-20° to 70° C
Relative Humidity:	90% non-condensing
Power:	From USB interface
Input Voltage:	5.0V
Active Current:	65 mA
Standby Current:	17 mA
RF Output Power:	50 mW
Regulatory:	FCC Part 15

Model:



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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.

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

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