

# IDentity 5100



## IDentity 5100

Ultra High Frequency 902 - 928 MHz  
High-Performance AVI Reader

### Overview

Supporting unique design innovations and advancements in RFID technology, the IDentity 5100 redefines the world of AVI readers, eliminating cost barriers to address large-scale opportunities such as the emerging Electronic Vehicle Registration (EVR), vehicle emissions validation and insurance compliance markets, in addition to other traditional AVI applications such as electronic tolling and parking control.

With its high-speed performance and extended read range, the IDentity 5100 system is ideally suited for global transportation applications, eliminating the manual, visual-based inspection associated with current systems, and enabling system operators to identify vehicles with appropriate authorizations from a distance, while the vehicle is in motion.

This powerful UHF integrated reader & antenna system features best-in-class air interface performance while the robust, software-based architecture provides a rich application platform that addresses the needs of global deployments, ensuring that features and capabilities can be added as RFID technology continues to evolve.

The IDentity 5100 was designed to withstand extreme weather conditions, temperatures, humidity and vibration, while providing optimal performance in North America and all FCC related markets.



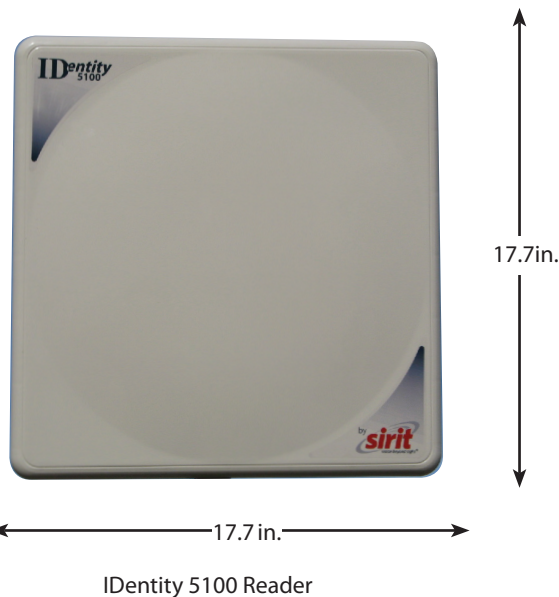
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## High-Performance, Multi-Protocol Reader



### Specifications

Frequency:	UHF 902 to 928 MHz
Supported Protocols:	Fully supports ISO18000-6C, ISO18000-6B, iPx (Supertag), ISO10374, T21 and EASAlarm protocols. Additional protocols may be supported through firmware updates.
Operating Modes:	Single Read Point Mode Dual Read Point Mode (with external antenna)
Communications:	10/100 Ethernet Port
RF Power:	10 mW - 2W conducted (+33 dBm)
Input Power:	12 to 24 Vdc
Power Consumption:	13W at idle; 40W typical at 2W; 46W max at 2W
Connections:	RS-232, Digital I/O, Ethernet LAN; also 1 - RP-TNC (reverse polarity) for external antenna connection
Upgradeable Firmware:	Yes
Operating Temperature:	-40°C to +55°C (-40°F to 131°F)
Storage Temperature:	-40°C to +85°C (-40°F to 185°F)
Relative Humidity:	100%, condensing
Dimensions (LxWxD):	45.0 x 45.0 x 10.5 cm (17.7 x 17.7 x 4.1 in.)
Weight:	~6.8 kg (15 lbs)
Regulatory:	Compliant to FCC Part 15, FCC Part 90, IC RSS 210, IC RSS 137
Case Material:	To be determined by environment requirements. Aluminum cast, IP67 rated.



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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 16 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](http://www.sirit.com).

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

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