

## IDentity 5200/5204 ETSI

### Overview

Providing a whole new paradigm in high performance RFID technology, the IDentity 5200 (ID5200) revolutionizes the cost-to-benefits ratio of Automatic Vehicle Identification (AVI) readers. The two-port ID5200 eliminates the traditional cost barriers to address large-scale opportunities in tolling, particularly Open Road Tolling (ORT), High Occupancy Tolling (HOT) and HOV to HOT conversions.

The ID5200 boasts high-speed performance and extended read range, presenting an ideal solution for all tolling applications. The ID5200's ability to handle up to two lanes from a single reader and provide multiple protocols simultaneously, provides Authorities with an unparalleled choice in how they can utilize their infrastructure assets and transponder base.



This robust UHF reader & external 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 without the need of replacing readers.

The ID5200 ETSI was designed to withstand extreme weather conditions, temperatures, humidity and vibration, while providing optimal performance in Europe and all ETSI markets.

The ID5204 is the four port version (not shown).

# Identity 5200/5204 ETSI

## High-Performance, Multi-Protocol Reader



### Specifications

Frequency:	UHF 865 to 868 MHz (frequency factory configured to specific region within UHF 860-960 MHz band.)
Supported Protocols:	Fully supports ISO18000-6C, ISO18000-6B, iPx (Supertag), ISO10374, T21 and EASAlarm protocols. Additional protocols may be supported through firmware updates.
Communications:	10/100 Ethernet Port, Serial RS-232
RF Power:	10mW – 560mW conducted (+27.5 dBm)
Input Power:	24 Vdc
Power Consumption:	13W at idle; 40W typical at 2W; 46W max at 2W
Connections:	RS-232, Digital I/O, Ethernet LAN, 2 N-Type Female connectors 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):	41.9 x 33.0 x 8.3 cm (16.5 x 13.0 x 3.25 in.)
Weight:	~3.97 kg (8.75 lbs)
Regulatory:	Compliant to RoHS, ETSI EN 301 489, ETSI EN 302 208 and IEC 60950
Case Material:	Aluminum, IP67 rated.
Antenna Ports:	Two (ID5200) Four (ID5204)



Identity 5200 Reader

### About Sirit Inc.

Sirit Inc. 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 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).

SIRIT - ORANGE COUNTY  
2 Technology  
Irvine, California 92618 USA  
Tel: 949.341.0409  
Fax: 949.341.0521

SIRIT - DALLAS  
1321 Valwood Parkway, Suite 620  
Carrollton, Texas 75006 USA  
Tel: 972.243.7208  
Fax: 972.243.8034

For more information,  
contact sales toll free  
at 1.866.338.9586  
E-mail: [sales@sirit.com](mailto:sales@sirit.com)

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



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

© 2011 Sirit Inc., all rights reserved. "Sirit", the Sirit Design, "RFID by Sirit", the RFID by Sirit Design and "vision beyond sight" are all trademarks of Sirit Inc. All other trademarks are the property of their respective owners. Specifications subject to change without notice.