



FEATURES

- **Increased Throughput**
Eliminating the need to roll down a window and search for change, IDentity Title 21 provides a cashless solution
- **Improved Efficiency**
Providing faster throughput of vehicles, IDentity Title 21 reduces unnecessary backups and bottlenecks
- **Compatibility**
IDentity Title 21 is designed to work with most toll management systems

IDentity Title 21 Series

The IDentity Title 21 Series is Sirit's flagship product line for high speed highway applications. It complies fully with the Title 21 standard for electronic toll collection developed by Caltrans (California Department of Transportation).

At the heart of Sirit's AVI solution is the transponder or "tag", a device that is placed on a motorist's windshield to identify the vehicle. The tag communicates through Sirit's antenna to a reader controller card which identifies the tag and transfers the information to the host management system.

From barrier-based to open highway applications, IDentity T21 provides the highest performance, accuracy and reliability available.

For more information, please contact our Toll Sales Department at:

1.866.338.9586 or visit us at www.sirit.com



Identity Title 21 Series



Identity T21 Tags

Read Range:	Up to 6.4 m (21 ft.) from overhead mounted antenna
Dimensions (WxHxD):	Windshield Tag - 8.3 x 9.5 x 1.37 cm (3.25 x 3.75 x .54 in.) License Plate Tag - 20.9 x 4.3 x 2.8 cm (8.23 x 1.69 x 1.10 in.)
Weight:	Windshield Tag - 78g g (2.75 oz.), 72g g (2.52 oz.), Batt Replace License Plate Tag - 140 g (4.94 oz.)
Power Source:	Windshield - Internal battery, up to 8 years design-life License Plate Tag - Internal battery, up to 8 years design-life
Operating Frequency:	902 - 928 MHz

Identity T21 Reader Controller Card

Dimensions (WxHxD):	342.9 x 101.6 x 20.3 mm (13.50 x 4.00 x 0.80 in)
Weight:	624 g (22 oz.)
Host Interface:	RS-422 or ISA bus
Data Rate:	Up to 1,000 kbps (300 kbps default)
Data Format:	Configurable
Power Requirements:	5.0 V, 3.0 Amps
Standards Compliance:	Caltrans Title 21

Identity T21 Junction Board

Dimensions (WxHxD):	140.0 x 101.6 x 15.2 mm (5.50 x 4.00 x 0.60 in.) (Depth includes components)
Weight:	113.4 g (4 oz.)
Operating Temperature:	0°C to +70°C (32°F to 158°F)
Storage Temperature:	-25°C to +85°C (-13°F to 185°F)
Relative Humidity:	60% non-condensing @ 70°C (160°F)
Vibration:	1 g average at 15 Hz to 500 Hz

System Components:



T21 Windshield Transponder/Tag



Reader Controller Card



T21 Junction Board



License Plate Tag

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About Sirit

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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