sirit
vision beyond sight™

ID*entity* Title 21 Series

The ID*entity* 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).

Sirit has the largest installed base of Title 21 compliant automatic vehicle identification (AVI) systems in the world with installations in California (Orange County toll roads, San Francisco bridges, State Route 91, and I-15), Denver (E-470 toll road), South America and China. Sirit's automatic vehicle identification (AVI) system has been designed to give users a fast, cost effective and highly reliable access control system.

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.

The ID*entity* T21 transponder can be read by the reader with an accuracy level in excess of 99.6% at vehicle speeds exceeding 100 miles per hour.

From barrier-based to open highway applications, ID*entity* 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

FEATURES

- Increased Throughput
  Eliminating the need to roll down a window and search for change, ID*entity* Title 21 provides a cashless solution

- Improved Efficiency
  Providing faster throughput of vehicles, ID*entity* Title 21 reduces unnecessary backups and bottlenecks

- Compatibility
  ID*entity* Title 21 is designed to work with most toll management systems

ID*entity* Title 21 Series

ID*entity* T21 Tags

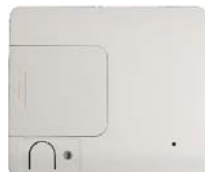|	
Read Range:	4.3 to 6.4 m (14 to 21 ft.) from overhead mounted antenna
Dimensions (WxHxD):	Windshield Tag - 8.3 x 9.5 x 0.9 cm (3.25 x 3.75 x .36 in.) License Plate Tag - 20.9 x 4.3 x 2.8 cm (8.23 x 1.69 x 1.10 in.)
Weight:	Windshield Tag - 83 g (2.93 oz.) License Plate Tag - 140 g (4.94 oz.)
Power 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

ID*entity* 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 26 to 34-bit
Power Requirements:	5.0 V, 3.0 Amps
Standards Compliance:	Caltrans Title 21

ID*entity* 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:	0ºC to +70ºC (32ºF to 158ºF)
Storage Temperature:	-25ºC to +85ºC (-13ºF to 185ºF)
Relative Humidity:	60% non-condensing @ 70ºC (160ºF)
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 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.