



## IDentity ZiP Antenna

Ultra High Frequency 912.5 - 920.5 MHz  
Remote Antenna for Automatic Vehicle Identification

### FEATURES

- Multiple antennas  
Up to four antennas per reader for cost effective configuration
- Dual aperture antennas  
Both send and receive elements are in one enclosure facilitating ease of installation

### Overview

Sirit's IDentity ZiP remote antenna is an all-weather dual aperture (transmit & receive) antenna. Connected to the IDentity ZiP reader, the antenna can be remotely located up to 75 feet from the reader location with the appropriate cabling.

The IDentity ZiP antenna measures 30x 12 x 2 inches and comes with a universal mounting bracket for easy installation. Mounting options include pole/wall and overhead ceiling mounting brackets for design flexibility. Performance characteristics with this antenna include read ranges up to 18 feet at speeds of up to 45 mph.

### Multiplexing

The IDentity ZiP reader has an antenna multiplexing feature built in, which allows up to four antennas (read points) to be controlled by a single reader, significantly reducing the cost per lane.




# IDentity ZiP Antenna


## 912.5 - 920.5 MHz Remote Antenna



Performance Characteristics	
Frequency:	UHF band, 912.5 - 920.5 MHz
Gain:	6 dB
Impedance:	50 ohms
Working Range:	Set by reader & antenna configuration up to 5.5 m (18 ft.)
Physical Characteristics	
Dimensions (LxWxD):	76.2 x 30.5 x 5.1 cm (30.00 x 12.00 x 2.00 in.)
Case Material:	Anodized aluminum, welded with PVC face (radome) Antenna can be painted with non-metallic paints
Weight:	3.5 kg (7.80 lb.)
Connectors:	2 x chassis mount N-type female
Recommended Installation:	Antenna to be mounted 2.4 - 3.0 m (approx. 8 - 10 ft.) above ground level
Cable Requirements:	LMR400 (DB if buried) or Belden 9913 Maximum distance from reader 22.8 m (75 ft.)
Environment	
Operating Temperature:	-25°C to +85°C (-13°F to 185°F)
Storage Temperature:	-40°C to +114°C (-40°F to 237°F)
Relative Humidity:	85% non-condensing @ 85°C
Power:	Supplied by IDentity ZiP Reader; separate power source not required
Ordering Information	
Part Number:	Description:
IDZIP-ANT-01	IDentity ZiP panel antenna complete with universal mounting bracket
IDZIP-ANT-CMB	Ceiling mount bracket
IDZIP-ANT-WMB	Pole / wall mount bracket
IDZIP-ANT-UMB	Universal mounting bracket
IDZIP-CONN-9913	Connector kit for 9913/LMR400 cable
IDZIP-CABLECON	Cable adapter kit to convert 9913/LMR400 cable to RG58/U (length 18")
IDZIP-CONN-WKIT	Weather proofing kit. (For 1-3 outside antennas)
IDZIP-CRIMP-9913	Crimp tool for 9913/LMR400 Cable



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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](http://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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