



IDentity Flex—Antenna



IDentity Flex Antenna

Overview

The **IDentity Flex** remote antenna is an all-weather dual-aperture (transmit & receive) antenna. Connected to the **IDentity Flex** reader by 50 Ohm coaxial cables, the antenna can be located up to 200 feet from the reader location with the appropriate coaxial cable. Equipped with a bright red light emitting diode (LED), the antenna is easy to install and configure. The LED provides an indicator and test tool for the installer and facility staff. As the **SIRIT** transponder enters the read zone, the LED will illuminate indicating the transponder's presence.

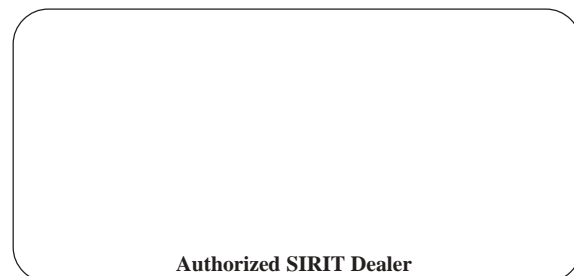
The **IDentity Flex** antenna measures 12 x 30 x 2" and comes with a universal mounting bracket for ease of installation. Mounting options include pole/wall and overhead ceiling mounting brackets for design flexibility. Performance characteristics with this antenna include read ranges up to 25 feet at speeds of 45 mph.

Multiplexing

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

Features:

- **Multiple Antennas**
Up to four antennas per reader.
- **Dual Aperture Antennas**
Both send and receive elements are in one enclosure facilitating ease of installation.
- **Integrated Indicator Light**
Built in LED permits quick lane configuration, read range verification and testing.





Transportation Mobility Solutions (TMS)
915 MHz Antenna - IDentity Flex
Automatic Vehicle Identification (AVI)

Physical characteristics

Operating Frequency:	916.25 MHz +/- 10MHz	
Gain:	6 dB	
Impedance:	50 ohms	
Working Range:	Set by reader up to 7.7m (25 feet)	
Size (WxHxD):	30 x 70 x 5 cm (12 x 30 x 2")	
Weight:	3.54 kg (7.8 lbs)	
Storage Temperature:	-40°C to +114°C (-40°F to 237°F)	
Operating Temperature:	-25°C to +85°C (-13°F to 185°F)	
Humidity:	85% non-condensing @ 85°C	
Case material:	Anodized aluminum, welded with PVC face (raydome) Antenna can be painted with with non-metallic paints	
Installation:	It is recommended that the Antenna be mounted vertically 3.6 to 4.5m (12 to 15ft) above ground level	
Connectors:	2 x chassis mount N-type female	
Cable Requirements:	Distance from reader 0-18.3m (0-50ft): Belden 8240 RG58/U Distance from reader 18.3-60.9m (0-200ft): Belden 9913	

Ordering information

IDentity Flex Antenna:	IDFLEX-ANT-02 (with integrated LED)
Pole/Wall Mounting Bracket:	IDFLEX-ANT-WMB
Ceiling Mounting Bracket:	IDFLEX-ANT-CMB
RG58/U Connector Kit:	IDFLEX-ANT-CONN-RG58/U
9913 Connector Kit:	IDFLEX-ANT-CONN-9913
Premade Cable Kit:	IDFLEX-CONN RG58/U-60K
Cable Converter Kit:	IDFLEX-ANT-CABLECON
Connector Crimp Tool:	IDFLEX-ANT-CRIMP



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