



IDentity Flex-ANT-01



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** tag enters the read zone, the LED will illuminate indicating the tag's presence.

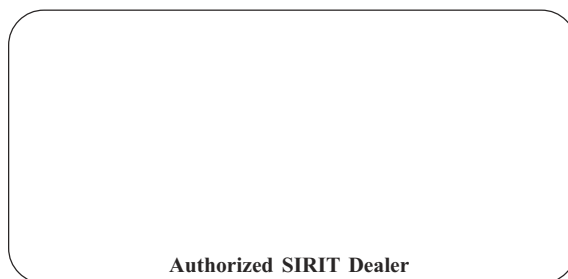
The **IDentity Flex** antenna measures 12" x 30" x 2" and comes with a universal mounting bracket for ease of installation. Mounting options include pole/wall and overhead ceiling mounting brackets for design flexibility. Performance characteristics with this antenna include read ranges up to 25 feet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

Features:

- || **Multiple antennas**
Up to 4 antennas per reader.
- || **Dual aperture antennas**
Both send and receive elements are in one enclosure allowing for easy installation.
- || **Integrated indicator light**
Built in LED allows for quick lane configuration, read range verification and testing.

Multiplexing

The **IDentity Flex** reader has an antenna-multiplexing feature built in, which allows up to 4 antenna (read points) to be controlled by a single reader, significantly lowering the cost per read point.





915 MHz Antenna

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 25 feet (7.7m)
Size (WxHxD):	30 cm x 70 cm x 5 cm (12"x30"x2")
Weight:	3.54 kgs. (7.8lbs)
Storage temperature:	-40°C to +114°C (-40°F to 237°F)
Operating temperature:	-25°C to +85°C (-40°F to 185°F)
Humidity:	85% non-condensing @ 85°C
Case material:	Polycarbonate welded and weather resistant plastics. Antenna can be painted with with non metallic paints.
Installation:	It is recommended that the Antenna be mounted vertically 3.6m to 4.5m (12' to 15') above ground level.
Connectors:	2 x chassis mount N-type female
Cable requirements:	Distance from reader 0-18.3m (0-50') : Belden 8240 RG58/U Distance from reader 18.3-60.9m (0-200'): Belden 9913

Ordering information

IDentity Flex Antenna:	IDFLEX-ANT-01
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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