Applications

RF))) ID. INC.

Our Extend-a-Read product is based on 433 MHz active (battery powered) anti-collision (read many simultaneously) Tags and a single Reader with whip Antenna thus not necessitating any further external components unless a range greater than 10′ is required. Tags simply emit a data signal every 1.8 to 2.2 seconds. The Reader simply receives the Tag data transmission.

1. **Hands Free Personnel Identification, Asset Tracking**

   Placing a Tag on your asset or employee allows you to track, locate, identify the last known location or set off an alarm.

2. **Automatic Vehicle Identification**

   ➤ Gated Community Access
   ➤ Fleet Tracking
   ➤ Employee Parking Access
   ➤ Private Parking Facilities
   ➤ Sand, Concrete and Gravel Yards
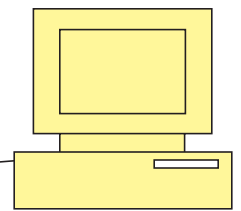   ➤ Weigh and Identify Payloads

| Tag on Truck | 433 MHz | Reader | Your Controller |

10′ Range standard, 50′ to 300′ with external directional Antennas

Tags

Model EXT1 Personnel Tag

Dimensions:	3.375″ x 2.125″ x 0.25″
Weight:	2 ounces
Color:	White
Housing:	Sealed ABS

Model EXT2 Vehicle Tag

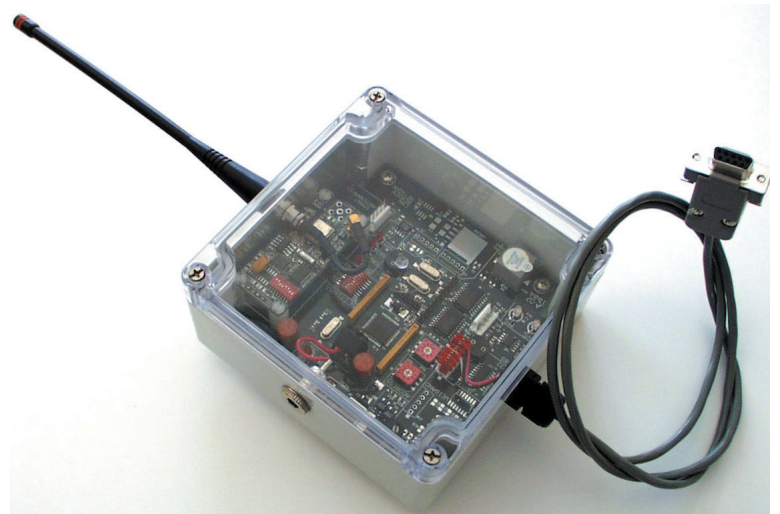|	
Dimensions:	3″ x 2″ x 1″
Weight:	4 ounces
Color:	Black
Housing:	ABS, provides for metal spacing

Memory:	Read only, 16 hex bytes to include 4 bytes unique assigned customer header
Temperature:	−40° F to 185° F Operating
Frequency:	433 MHz
Life:	5 years standard at 1 data pulse every 1.8 to 2.2. seconds
Range:	Minimum 10′ guaranteed when using whip Antenna on Reader
	Additional range may be realized dependent upon the environment being installed into 50′-300′ with external Antennas, further testing is being done at the time of writing

The Reader

Dimensions:	4.75″ sq. x 3.125″
Weight:	13 ounces / 370 grams
Temperature:	−40° F to 185° F
Power:	+7 to +28 VDC @ 350 mA. (max.) 100 mA (typ.)
Protocols:	RS232 Model EXR1
	RS485 Model EXR2
	Wiegand Model EXR3

Optional power jack mounted in Reader housing for use with AC power supply. Optional 9 pin d-sub connector for RS232 version.

Part Number	Description
720-0004-01	AC Power Supply with quick connect jack

RF))ID. INC.