

Extend-a-Read™ 433 MHz Data Sheet



Applications

Our Extend-a-Read product is based on 433 MHz active (battery powered) anti-collision (read many simultaneously) Tags. Tags simply emit a data signal every 1.8 to 2.2 seconds which is picked up by the Reader.

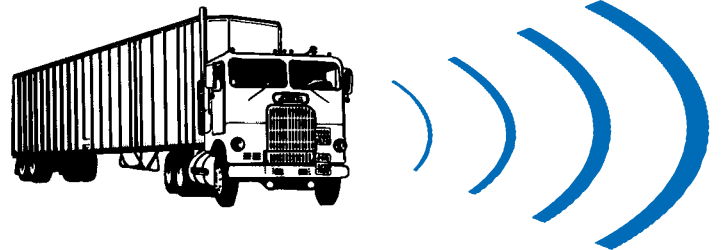
1. Hands Free Personnel Identification, Asset Tracking

Placing a Tag on your asset or employee allows you to track, locate 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



Tags

Model EXT1 Personnel Tag

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

Model EXT2 Metal Mount Tag

Dimensions: 3" x 2" x 1"
Weight: 4 ounces
Color: Black
Housing: Provides for metal spacing

Memory: Read only, 16 hex bytes to include 4 bytes unique assigned customer header
Temperature: -40° F to 185° F (-40° C to +85° C)
Frequency: 433 MHz
Life: 3 years standard at 1 data pulse every 1.8 to 2.2. seconds, alterable at production level
Range: Adjustable from 60' to 300'

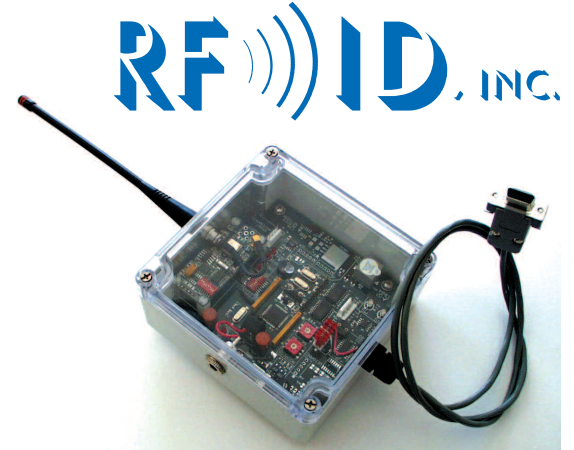


Extend-a-Read™ 433 MHz Data Sheet

Omni-Directional Reader

Dimensions: 4.75" square x 3.125"
Weight: 13 ounces / 370 grams
Range: 6' to 70' standard
300' with optional external Yagi Antenna

Model EXR1 = RS232
Model EXR2 = RS485
Model EXR3 = Wiegand



Directional Reader

Dimensions: 14.5" square x 4" deep
Weight: 2 lbs.
Range: 6' to 100'

Model EXR4 = RS232
Model EXR5 = RS485
Model EXR6 = Wiegand



Common Reader Specifications

Range: Adjustable Attenuator allows
for 6' to 300'

Temperature: -40° F to 185° F (-40° C to +85° C)

Power: +8 to +14 VDC
350 mA (maximum)
100 mA (typical)

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