433.92 MHz Active RFID Tags & Readers

Model AT-CS (Clamshell)
- Slotted Punch used as Personnel Badge
- Low Battery LED
- Replaceable Battery

ActiveRFID from RFID, Inc. is now available with:
- Replaceable Batteries
- Accelerometer (Motion Detection)
- External Power Wiring option (shown below)

Model AT-MM (Metal Mount)
- Mounting Holes
- Mount Direct to Metal
- Replaceable Battery

Part Numbers:
- Battery Replacement Kit
  719-0300-30
- Model AT-CS Tag
  800-0224-01
  800-0224-01-AU (Auto-Tune Tag)
  800-0224-01-ACL (Motion Detection)
  800-0224-01-EXPW (Ext Pwr Wires)
- Model AT-MM Tag
  800-0225-01
  800-0225-01-AU (Auto-Tune Tag)
  800-0225-01-ACL (Motion Detection)
  800-0225-01-EXPW (Ext Pwr Wires)

Model AT-DC (Deck of Cards)
- Fully Potted – Weatherproof
- Mounting Holes
- NO Replaceable Battery

Model AT-OM (Omni-Directional)
- Whip Antenna Provides 360° Orientation
- Fully Potted – Weatherproof
- NO Replaceable Battery

Part Numbers:
- Model AT-DC Tag
  800-0226-01
  800-0226-01-AU (Auto-Tune Tag)
  800-0226-01-ACL (Motion Detection)
  800-0226-01-EXPW (Ext Pwr Wires)
- Model AT-OM Tag
  800-0235-00
  800-0235-00-AU (Auto-Tune Tag)
  800-0235-00-ACL (Motion Detection)
  800-0235-00-EXPW (Ext Pwr Wires)
Model AT-CS (Clamshell)
- Dimensions: 3.375 x 2.125 x .25 inches
- Weight: 2 ounces / 57 grams
- Color: Putty White
- Housing: Sealed ABS, IP65
- Low Battery LED + Flag Bits Transmitted in Tag Data
- Replaceable Battery

Model AT-MM (Metal Mount)
- Dimensions: 3.0 x 2.0 x 1.0 inches
- Weight: 4 ounces / 113 grams
- Color: Black
- Housing: ABS, Metal Spacing
- Low Battery LED + Flag Bits Transmitted in Tag Data
- Replaceable Battery

Model AT-DC (Deck of Cards)
- Dimensions: 4.0 x 2.12 x .54 inches
- Weight: 4 ounces / 113 grams
- Color: Black
- Housing: Rynite, Potted IP68
- Low Battery LED + Flag Bits Transmitted in Tag Data
- NO Replaceable Battery

Model AT-OM (Omni-Directional)
- Whip Antenna Provides 360° Orientation
- Dimensions: 2.0 x 1.75 x 1.0 inches w/o 1.5” Antenna
- Weight: 1.3 ounces / 37 grams
- Color: Black
- Housing: Rynite, IP68
- Low Battery LED + Flag Bits Transmitted in Tag Data
- NO Replaceable Battery

### Power Supply
- 3V Battery

### Tx Frequency
- 433.92 MHz

### Output Power
- 1 mW Default, 10 mW Max

### Transmission Range
- 3’ to 2000’ (Environment Dependent)

### Transmission Rate
- 2.01 Seconds

### Transmission Time
- 590 Microseconds

### Battery Life
- 2 Years Warranted

### Operational Temperature
- -40°F to +185°F / -40°C to +85°C

### Humidity
- 5% to 90%

### Material
- UV Stabilized ABS (IP65 to IP68)

### Approvals
- FCC Certification YVutres433 / RoHS

### Extras
- Anti-Collision / Motion Detector (Accelerometer) / RSSI
433.92 MHz Active RFID Tags & Readers

Reader

Model ATR-RW : Reader Wiegand w/USB
Model ATR-RS : Reader Serial w/USB
Model ATR-RE : Reader Ethernet w/USB
Model ATR-RMRTU : Reader Modbus RTU w/USB

Standard Features Include

3’ to 60’ Read Range with Internal Etched Antenna (Omni-Directional)
600’ Read Range w/External Directional Antenna (next page)
2000’ Read Range Options Available
Automatic Range Tuning via Dipswitch or Software Command
RSSI (Relative Signal Strength Indicator)
Low Battery Indicator Transmitted with Tag Data
Read 1 Tag at a Time or all Tags at Once
Programmable via USB Port
LED Indicators for Power, Transmit & Receive
NEMA IP67 Enclosure
Input - Loop Detector (can also be used as general electrical Input)
Output - Piezo (audible beep) with On/Off Capabilities (can also be used as general electrical Output)
Relay – NO Relay Adjustable to 99 seconds

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATR-RW</td>
<td>800-0230-30</td>
<td>Wiegand 26 bit Wiegand Reader with Internal Antenna</td>
</tr>
<tr>
<td>ATR-RW/PJ</td>
<td>800-0230-31/PJ</td>
<td>26 bit Wiegand Reader w/Internal Antenna w/Quick Connect Power Jack</td>
</tr>
<tr>
<td>ATR-RS</td>
<td>800-0231-30</td>
<td>Serial, Reader w/Internal Antenna</td>
</tr>
<tr>
<td>ATR-RS/9</td>
<td>800-0231-31/9</td>
<td>Serial Reader w/Internal Antenna w/9 Pin Serial Connector</td>
</tr>
<tr>
<td>ATR-RS/PJ</td>
<td>800-0231-32/PJ</td>
<td>Serial Reader w/Internal Antenna w/Quick Connect Power Jack</td>
</tr>
<tr>
<td>ATR-RS/PJ9</td>
<td>800-0231-33/PJ9</td>
<td>Serial Reader w/Internal Antenna w/Quick Connect Power Jack &amp; 9 pin Serial Conn</td>
</tr>
<tr>
<td>ATR-RMRTU/PJ9</td>
<td>800-0231-34/PJ9-RTU</td>
<td>Modbus RTU Reader w/Internal Antenna w/Quick Conn Pwr Jack &amp; 9 Pin Serial Conn</td>
</tr>
<tr>
<td>ATR-RE</td>
<td>800-0232-30</td>
<td>TCPIP Ethernet Reader w/Internal Antenna w/RJ45 Connector</td>
</tr>
<tr>
<td>ATR-RE/PJ</td>
<td>800-0232-31/PJ</td>
<td>TCPIP Ethernet Reader w/Internal Antenna w/Quick Connect Power Jack &amp; RJ45 Conn</td>
</tr>
<tr>
<td>PS12PJ</td>
<td>720-0004-01</td>
<td>AC Power Supply w/Quick Connect Jack, 12VDC, 500mA</td>
</tr>
</tbody>
</table>
433.92 MHz Active RFID Tags & Readers

External Antennas

- Model ANT-CP (Circular Polarized)
- Model ANT-LR (Linear Polarized)
- Model ANT-YG (Yagi)

External Directional Antennas Offer Greater Ranges

- ANT-CP = 300’ (8dBi)
- ANT-LR = 600’ (9 dBi)
- EXY-LG = up to 2000’ (8 to 14 dBi options)

<table>
<thead>
<tr>
<th>Mounting Kit</th>
<th>Included</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensitivity &amp; Bandwidth</td>
<td>-95 dBm Max / 541 kHz</td>
</tr>
<tr>
<td>Power &amp; Impedence</td>
<td>6W (Max) / 50 ohms</td>
</tr>
<tr>
<td>Beamwidth</td>
<td>70 degrees Azimuth, 68 degrees Elevation,</td>
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<tr>
<td>Housing of ANT-CP/LR</td>
<td>370mm x 370mm x 40mm</td>
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<tr>
<td>Material of ANT-CP/LR</td>
<td>Frontal Housing - UV Stabilized ABS (IP67) Base Plate - Aluminum</td>
</tr>
<tr>
<td>Operational Temperature</td>
<td>-40°F to +185°F / -40°C to +85°C</td>
</tr>
<tr>
<td>Weight &amp; Certifications</td>
<td>2.0 kg / RoHS &amp; CE 0682</td>
</tr>
</tbody>
</table>

Part Numbers

- ANT-CP-12 (12’ of cabling) 800-0232-12
- ANT-CP-25 (25’ of cabling) 800-0232-25
- EXY-SM (Small Yagi Antenna) 719-0071-00 (8dBi)
- EXY-MD (Medium Yagi Antenna) 719-0071-00-MD (12dBi)
- EXY-LG (Large Yagi Antenna) 719-0071-00-LG (14dBi)

Model ATR-3036E Hand Held Reader & Reader Tuner

- Hand Held Reader or Tuner Accessory for ATR Readers
- As Tuner, Acts as Mobile Interface, Links to Reader USB Port
- Unique “Find a Tag” Mode That Acts Like Geiger Counter
- Self Operating, no OS to Maintain 10 Hour Battery Life
- Part Number 800-0024-30 AC Power Supply/Charger Included