



433.92 MHz Active RFID Tags & Readers

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-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-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-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

| Model Number | Part Number | Description |
|---------------|---------------------|---|
| ATR-RW | 800-0230-30 | Wiegand 26 bit Wiegand Reader with Internal Antenna |
| ATR-RW/PJ | 800-0230-31/PJ | 26 bit Wiegand Reader w/Internal Antenna w/Quick Connect Power Jack |
| ATR-RS | 800-0231-30 | Serial, Reader w/Internal Antenna |
| ATR-RS/9 | 800-0231-31/9 | Serial Reader w/Internal Antenna w/9 Pin Serial Connector |
| ATR-RS/PJ | 800-0231-32/PJ | Serial Reader w/Internal Antenna w/Quick Connect Power Jack |
| ATR-RS/PJ9 | 800-0231-33/PJ9 | Serial Reader w/Internal Antenna w/Quick Connect Power Jack & 9 pin Serial Conn |
| ATR-RMRTU/PJ9 | 800-0231-34/PJ9-RTU | Modbus RTU Reader w/Internal Antenna w/Quick Conn Pwr Jack & 9 Pin Serial Conn |
| ATR-RE | 800-0232-30 | TCPIP Ethernet Reader w/Internal Antenna w/RJ45 Connector |
| ATR-RE/PJ | 800-0232-31/PJ | TCPIP Ethernet Reader w/Internal Antenna w/Quick Connect Power Jack & RJ45 Conn |
| PS12PJ | 720-0004-01 | AC Power Supply w/Quick Connect Jack, 12VDC, 500mA |



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)

Mounting Kit

Included

Sensitivity & Bandwidth

-95 dBm Max / 541 kHz

Power & Impedance

6W (Max) / 50 ohms

Beamwidth

70 degrees Azimuth, 68 degrees Elevation,

Housing of ANT-CP/LR

370mm x 370mm x 40mm

Material of ANT-CP/LR

Frontal Housing - UV Stabilized ABS (IP67) Base Plate - Aluminum

Operational Temperature

-40°F to +185°F / -40°C to +85°C

Weight & Certifications

2.0 kg / RoHS & CE 0682

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

