# XT-5 Reader
## Long-Range RFID UHF Reader

### KEY FEATURES:

- Stand-alone capability with ACTS software
- Consistent read-range up to 30 ft*
- Backwards compatible with XT-3 Readers
- Operates with EPC Gen 2 Tags
- Robust and weatherproof design, IP66
- Isolated I/O ports and integrated controller
- Ethernet (TCP/IP), RS232, RS485 and Wiegand interfaces
- PoE+ connectivity
- Switchable antenna polarization: vertical, horizontal or circular
- Bright LED and buzzer indicators
- Optional antenna expansion capability
- Squelching for close Reader operations

The XT-5 "all-in-one" RFID UHF Reader, with an integrated circular, polarized antenna and controller, is prepared for outdoor use in all weather conditions. It is ideal for applications in demanding environments that require a more cost effective Reader and Tag solution. Built around a standard Linux operating system, this Reader allows for in-house customization to specific project needs.

Reader settings can be configured via the easy-to-use web interface, either locally or remotely. Its built-in controller enables product integration, including cameras, barriers, and inductive loop detectors.

### Long Range Identification

A long range passive UHF Tag can be identified up to 30* feet using the XT-5 Reader. The UHF Tags used are battery and maintenance free allowing for quick, hands-free access. UHF Tags are customizable upon request to meet customer specifications.

### LED & Buzzer Indication Control

The built-in high intensity LEDs with selectable color readout provide the user visual feedback that a Tag has been read. The LED and buzzer indicators offer a better definition of the read lobe, enabling quick and easy installation and configuration.

### Easy Integration

All of TagMaster's systems support an extensive variety of industry standard interfaces. The XT-5 supports protocols such as Ethernet (TCP/IP), Serial connections RS232 and RS485, and 26-bit Wiegand interface and can be used with ACTS (Access Control Tracking System) Essential software.

### Applications

The XT-5 Reader is designed for long-range applications such as:

- Gated communities
- Airport parking & Ground Transportation Management Systems (GTMS)
- University and hospital parking
- Commercial and corporate parking areas
- Long-range personnel access control
- Commercial vehicle management (CVM)

### Part No. Information

| | |
|---|---|
| XT-5 | 152900 |
| Ceiling Mounting Kit | S1902 |
| Universal Mounting Kit | S1936 |
| Cable | S1915 |

# XT-5 Reader

Long-Range RFID UHF Reader

# SPECIFICATIONS

| Technical Information<br>Part No. 152900 | XT-5 |
|---|---|
| Read range | Up to 30 ft with NA-series UHF Tags* |
| Operating Frequency | 902 to 928 MHz<br>Available in EU: 865 MHz |
| Operating Temperature | -40°F (-40°C) to +140°F (+60°C) |
| Dimensions | 11.8 in x 11.8 in x 2.4 in |
| Weight | 5.1lbs |
| Housing | UL94 certified plastic XENOY™ cover with Aluminum housing |
| Protection | IP66 – no additional weather housing required |
| Power Supply | PoE+ / 24 VDC 1 AMP |
| Power Consumption/Power Output | 8.8W (max 15W) |
| Relay Output | 26 bit Wiegand, TCP/IP |
| Cable | Ethernet (TCP/IP), RS232, RS485, 26 bit Wiegand interfaces, and Power in one; 25 ft, Cat5e 350 MHz, Nylon Rip Cord, Product No. S1915 |
| Cable Conductor | 18/2 AWG for Power<br>22/2 AWG + GND for Interfaces |
| Range Detection | LED and Buzzer indicators |
| Optional Mounting Accessories | S1902 Ceiling Mounting Kit<br>S1936 Universal Mounting Kit |
| Antenna | Circular, polarized |
| Additional Functionality | Squelching |
| Interfaces | Ethernet (TCP/IP), RS232, RS485, 26 bit Wiegand |
| Certificates & Standards | CE Certificate according to R&TTE Directive 1999/5/EC; FCC: Part 15 subpart B; RoHS Directive 2002/95/EC; Safety: EN 60950-1; EMC: EN 301 489-1, EN 301 489-3 (2000); EPC Gen 2 (ISO 18000-6C); Radio: EN 302 208-2 |

*Depends on Reader mount & settings, Tag type

*The information in this document is subject to change without prior notice.*