

## XT-1 Reader Product Sheet

Long-Range RFID UHF reader



### KEY FEATURES:

- Consistent read-range up to 50 ft\* – Based on Tag Option
- OSDP, Ethernet (TCP/IP), Wiegand, RS232 and RS485 serial communication
- IP66 – no additional weather housing required
- Isolated I/O ports
- TCP/IP Switch for connecting multiple Readers together
- LED and buzzer indicators
- Squelching for close Reader operations

The XT-1 “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 with an existing access control solution in demanding environments that require a more cost-effective Reader and Tag solution.

Reader settings can be configured via the easy-to-use web interface, either locally or remotely.

### Long-Range Identification

The XT-1 Reader can consistently read tags up to 50 feet\* – Based on Tag option. 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 red and green LEDs offer visual feedback that the Tag has been read by providing a status indication. The LED and buzzer indicators also provide 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 protocols** including OSDP, Ethernet (TCP/IP), RS232 and RS485 serial communication, as well as Wiegand interface.

### Applications

The XT-1 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 Systems (CVM)

### Part No. Information

XT-1	152600
Ceiling Mounting Kit	S1902
Universal Mounting Kit	S1936
Cable	S1915

## XT-1 Reader

Long-Range RFID UHF Reader

### SPECIFICATIONS

Technical Information	XT-1
<b>Part No. 152600</b>	
Read range*	Up to 50' feet with NA1800. Up to 26' feet with NA1300 Up to 25' feet with NA1000, NA1100, NA1200, NA1400, NA1500
Operating Frequency	902 to 928 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	5.1 lbs.
Housing	Aluminum housing with UL94 certified plastic XENOY™ cover
Protection	IP66 – no additional weather housing required
Power Supply	24 VDC 1 AMP
Power Consumption	10W (max 12W)
Relay / Output/ Input	1 relay output, 60V DC, 2A / 3 isolated outputs shared with Wiegand / 3 isolated inputs
Cable (Sold Separately)	Part No. S1915 25 ft, Cat5e 350 MHz, Nylon Rip Cord, for Ethernet, Wiegand, Serial RS232/Serial RS485, and Power.
Cable Conductor	18/2 AWG for Power 22/2 AWG + GND for Interfaces
Range Detection	LED and Buzzer indicators
Optional Mounting Accessories	Part No. S1902 Ceiling Mounting Kit Part No. S1936 Universal Mounting Kit
Antenna	Circular, polarized
Interfaces / Protocols	OSDP, Ethernet (TCP/IP), Wiegand, RS232 and RS485.
Added Feature	Built in Ethernet Switch to connect multiple readers for multilane operations
Certificates & Standards	EMC: EN 301489-1, EN 301489-3 Safety: EN 60950-1, EN60950-22 CE Certificate according to R&TTE-Directive 1999/5/EC and FCC

\*Depends on Tag type, Reader mount & settings.

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