

XT-1 Reader

Long-Range RFID UHF reader



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

A long-range passive UHF Tag can be identified at up to 30 ft* using the XT-1 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 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.

KEY FEATURES:

- Consistent read-range up to 30 ft*
- Operates with EPC Gen 2 Tags
- IP66 – no additional weather housing required
- Isolated I/O ports
- TCP/IP Switch for connecting multiple Readers together
- LED and buzzer indicators

Easy Integration

All of TagMaster’s systems support an extensive variety of industry standard interfaces. The XT-1 supports protocols such as Serial connections RS232 and RS485, as well as 26 bit Wiegand interface and Vigilant software.

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

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SPECIFICATIONS

Technical Information	XT-1
Part No. 152600	
Read range	Up to 30 ft with NA-series UHF tags*
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	UL94 certified plastic XENOY™ cover with Aluminum housing
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
Required Cable	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 22/2 AWG + GND for Interfaces
Range Detection	LED and Buzzer indicators
Optional Mounting Accessories	S1902 Ceiling Mounting Kit S1936 Universal Mounting Kit
Antenna	Circular, polarized
Interfaces	RS232, RS485, 26 bit Wiegand,
Added Feature	Built in Ethernet Switch to connect multiple readers for multilane operations
Certificates & Standards	EPC Gen 2 (ISO 18000-6C), CE Certificate according to R&TTE-Directive 1999/5/EC and FCC; EN 301489-1, EN 301489-3, EN 60950-1, EN60950-22

*Depends on Reader mount & settings, Tag type

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