

## LR-3 Pro Reader

### Long-Range RFID Microwave Reader



TagMaster's LR-3 Pro is a full functionality, compact, 2.45GHz RFID Reader with a read range of up to 15 ft\*. The LR-3 Pro is built around a standard Linux operating system and has an open-development platform enabling customer specific adaptations as well as specialized applications that can be developed by the TagMaster in-house Development Team.

#### Long Range Identification

A long range 2.45GHz RFID Tag can be identified up to 15 feet\* using the LR-3 Pro Reader. The read-only Tags used are battery powered, keeping the Tag alert for an instantaneous response to the Reader signal.

#### LED & Buzzer Indication Control

The built-in high intensity red and green LEDs provide the user visual verification that the Tag has been read by providing a status indication. The LED and buzzer indicators provide a better definition of the read lobe enabling quick and easy installation and configuration.

#### KEY FEATURES:

- Consistent read-range up to 15 ft\*
- Frequency hopping capability (FHSS\*\*)
- IP66 – no additional weather housing required
- Low RF power output – license free worldwide
- Real-time clock (RTC)
- Ethernet, RS232, RS485 and Wiegand/Mag-stripe interfaces
- Configured and controlled via the Ethernet interface, locally or remotely

#### Easy Integration

All of TagMaster's systems support an extensive variety of industry standard interfaces including Ethernet (TCP/IP), RS232, RS485 and Wiegand/Mag-stripe. The LR-3 Pro includes features, such as frequency hopping, allowing the Reader to hop between frequencies within the specified band while ensuring a smooth and stable operation in multi-reader environments and other RF intensive areas.

#### Applications

The LR-3 Pro Reader is designed for long-range applications such as:

- Gated communities & condominiums
- Airport parking & Ground Transportation Management Systems (GTMS)
- University and hospital parking
- Commercial and corporate parking areas
- Commercial Vehicle Management Systems (CVM)

#### Part No. Information

LR-3 Pro	154400
Ceiling Mounting Kit	S1902
Universal Mounting Kit	S1936
Cable	S1915

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## SPECIFICATIONS

Technical Information	LR-3 Pro
Part No. 154400	
Read range	Up to 15 ft*
Operating Frequency	2.435 to 2.465 GHz (FHSS** 2.400 to 2.484 GHz)
Operating Temperature	-40°F (-40°C) to +140°F (+60°C)
Dimensions	8.9 x 5.6 x 2.0 in
Weight	1.65 lbs.
Housing	The housing is made from UL94 certified XENOY™ plastic, known for its strength and durability.
Protection	IP66 – no additional weather housing required
Power Supply	24 VDC 1 AMP
Power Consumption	5W (Max: 10W)
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
Interfaces	Ethernet TCP/IP, RS232, RS485, 26 bit Wiegand/Mag-stripe
Certificates & Standards	CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX, UL Listed E345040

\*Depends on Reader mount and ID-tag

\*\*Permissible subject to local regulations

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