LR-6 Pro Reader
Long-Range RFID Microwave Reader

KEY FEATURES:

- Consistent read-range up to 20 ft*
- Frequency hopping (FHSS**)
- IP66 – no additional weather housing required
- Isolated I/O ports
- Accurate, real-time clock (RTC)
- LED and buzzer indicators
- Configurable and controlled via the Ethernet interface, locally or remotely

The LR-6 Pro is a versatile, all-purpose 2.45 GHz RFID Reader with a read-range up to 20 feet*. The LR-6 is built around a standard Linux operating system and has an open-development platform enabling the Reader to be prepared for customer-specific adaptations as well as applications that can be developed by the TagMaster in-house Development Team.

Long Range Identification

A long range 2.45 GHz RFID Tag can be identified up to 20 feet* using the LR-6 Reader. The Microwave Tags 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 feedback 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.

Easy Integration

All of TagMaster's systems support an extensive variety of industry standard interfaces. The LR-6 Pro easily integrates with Ethernet (TCP/IP), RS232, RS485 and Wiegand/Mag-stripe. The LR-6 is also designed for future expansion requirements and includes built-in USB Host interfaces, a memory card slot, and an expansion board interface. This Reader is backwards compatible with TagMaster's existing Reader hardware and software interfaces.

Applications

The LR-6 Reader is designed for long-range applications such as:

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

Part No. Information

LR-6 Pro	154600
Ceiling Mounting Kit	S1902
Universal Mounting Kit	S1936
Cable	S1915

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SPECIFICATIONS

Technical Information Part No. 154600	LR-6 Pro
Read range	Up to 20 ft*
Operating Frequency	2.435 to 2.465 GHz, (FHSS** 2.400 to 2.483 GHz)
Operating Temperature	-40°F (-40°C) to +158°F (+70°C)
Dimensions	11.4 x 5.2 x 2.2 in
Weight	2.2 lbs.
Housing	The housing is made from UL94 certified XENOY™ plastic, known for its strength and durability.
Protection	IP66 – no additional weather housing required
Memory: Flash / RAM	16 MB / 32 MB
Power Supply	24 VDC
Power Consumption	5W (max: 15W)
Power Output	10 mW e.i.r.p
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/Magstripe
Certificates & Standards	CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX

*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.