

# LR-6XL Reader

DATASHEET

The LR-6XL is a 2.45 GHz RFID reader with a read-range of up to 14 metres.



## The LR-6XL Reader is optimised for Traffic and Access applications:

- ▶ Traffic Management
- ▶ Access Control
- ▶ Security Applications

The TagMaster LR-6 XL RFID Reader is ideal for applications with large vehicles and wide gates, where really long reading range is required. With its "all-in-one" design, including integrated antenna, the LR-6 XL is certified for outdoor use and is easy to install and easy to use.

## High quality products

The built-in controller makes it possible to integrate the LR-6XL reader with other products like cameras, barriers, inductive loop detectors etc. The LR-6XL is built around a standard Linux operating system and has an open development platform. This enables integrators to develop and implement new applications for the LR-6XL Reader using the TagMaster Software Development Kit.

## KEY FEATURES

- ▶ Read-range up to 14 metres
- ▶ Robust and weatherproof design, IP66
- ▶ Integrated controller
- ▶ Ethernet, RS232, RS485 and Wiegand/Magstripe interfaces
- ▶ Bright LED and buzzer indicators
- ▶ Licence-free worldwide

## Supports several interfaces

The Reader can be configured and controlled via the Ethernet interface, either locally or remotely via an Internet connection. The LR-6XL supports several standard interfaces including Ethernet (TCP/IP), RS232, RS485 and Wiegand, Magstripe. The Reader also has frequency hopping (FHSS).

## PART NO. INFORMATION

LR-6XL Reader	154900
Universal Mounting Kit	193600
TagMaster SDK	174000

## TECHNICAL INFORMATION

Operating frequency	CW: 2.435 to 2.465 GHz, FHSS: 2.400 to 2.484 GHz
Read range	Up to 14 metres* (46 ft)
Write range	Up to 0.25 metres (0.8 ft)
Dimensions	290 x 165 x 55 mm (11.4 x 6.5 x 2.2 inch)
Weight	1.0 kg (2.2 lbs)
Protection	IP66
Operating temperature	-40°C (-40°F) to +70°C (+158°F)
Housing	UL94 certified plastic XENOY housing and cover
Output power	75 mW e.i.r.p.**
Power supply	10 to 30 VDC supply
Power consumption	5 W (max 15 W)
Controller	180 MHz ARM902T CPU, 32MB RAM, 16MB Flash, Linux operating system
Interfaces	RS232, RS485, Wiegand/Magstripe, Ethernet (TCP/IP)
Certificates	CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX

\* Read range depends on type of ID-tag and reader settings.

\*\* Permissible subject to local regulations.

TYPE OF ID-TAG	READING RANGE IN METRES AND (FT)
MarkTag Classic	10 (33)
MarkTag MeM	14 (46)
MarkTag Outdoor	10 (33)

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