

LR-6XL Reader

DATA SHEET

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



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

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.

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, UL Listed E345040 |

* 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) |
| ScriptTag Classic | 10 (33) |
| MarkTag MeM | 14 (46) |
| MarkTag MaX tpe | 14 (46) |
| MarkTag Outdoor | 10 (33) |