TagMaster

LR-6^{XL} Reader

GEN4
LONG-RANGE RFID
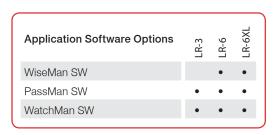
The LR-6XL is a versatile all purpose 2.45 GHz RFID Reader with a read-range of up to 14 meters. The LR-6XL is built around a standard Linux operating system and has an open development platform. This enables integrators to develop and implement new applications for the LR-6XL Reader using the TagMaster Software Development Kit. 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/Mag-stripe. The Reader features several functions, such as frequency hopping (FHSS). The FHSS** mode enables the Reader to "hop" between frequencies within the specified band, ensuring smooth and stable operation in multi-reader environments and other RF intensive areas.

Key features

- **Read-range of up to 14 meters (46 ft)**
- **Frequency hopping (FHSS**)**
- **User-programmable with TagMaster SDK including TCP/IP communication and SQL database support**
- **Real-time clock (RTC)**
- **Ethernet, RS232, RS485 and Wiegand/Mag-stripe interfaces**
- **Low RF power output**

Application Software Options	LR-3	LR-6	LR-6XL
WiseMan SW		•	•
PassMan SW	•	•	•
WatchMan SW	•	•	•

Technical information: LR-6XL Reader

Reading range	Up to 14 meters* (46 ft)
Writing range	Up to 0.25 metres (0.8 ft)
Operating frequency	CW: 2.435 to 2.465 GHz, FHSS**: 2.400 to 2.484 GHz
Dimensions	290 x 165 x 55 mm / (11.4 x 6.5 x 2.2 in)
Weight	1.0 kg (2.2 lbs)
Output power	75 mW e.i.r.p**
Power supply	10 to 30 VDC
Power consumption	5 W (max 15 W)
Memory: Flash/RAM	16 MB /32 MB
Operating temperature	-30 °C (-22 °F) to +60 °C (+140 °F)
Encapsulation	IP 65
Mounting	Standard M4. Recommended mounting using the Universal Mounting Kit.
Certificates	CE 0413 ① CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX

*DEPENDS ON READER SETTINGS AND MOUNTING. **PERMISSIBLE SUBJECT TO LOCAL REGULATIONS.