



LR-6^{XL} reader

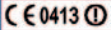


The LR-6XL is a versatile all purpose 2.45 GHz RFID reader with a read-range up to 14 meters*. The LR-6XL is built around a standard Linux operating system and has an open development platform. This enables integrators to quickly develop and implement new applications for the LR-6XL reader. A Software Development Kit, containing all the necessary tools required by system developers, is available from TagMaster. 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 the ability to select frequency hopping (FHSS**). This enables the reader to “hop” between frequencies within a specified band, ensuring smooth operation in multi-reader environments. The reader is designed for future expansion requirements and includes built-in USB Host interfaces, memory card slot and an expansion board interface.

KEY FEATURES

- Read-range of up to 14 meters*
- Frequency hopping (FHSS**)
- User-programmable with TagMaster SDK including TCP/IP communication and SQL database support
- Accurate real-time clock (RTC)
- Ethernet, RS232, RS485 and Wiegand/Mag-stripe interfaces
- General purpose inputs and outputs I/O ports
- Weather proof IP66 enclosure
- User-selectable radio channels ensuring smooth operation in multiple reader installations
- Extremely low RF power output, CE & FCC approved — no site licence required
- Flexible supply voltage (10 to 30 VDC)

Technical information: LR-6XL reader	* Depends on reader settings, ID-tag and mounting. ** N/A in Japan and Taiwan.
Operating frequency	CW: 2.435 to 2.465 GHz, FHSS**: 2.400 to 2.483.5 GHz
Reading range	up to 16 o gvtu* (68 ft with S1240 MarkTag MeM)
Writing range	up to 0.5 o gvtu* (1.6 ft)
Dimensions	290x165x56 mm / (11.42x6.50x2.21 inch)
Power supply	10 to 30 VDC
Power consumption	5 W (max 15 W)
Memory: Flash/RAM	16 MB /32 MB
Operating temperature	-40 °C (-40 °F) to +60 °C (+140 °F)
Encapsulation	IP66
Mounting	Standard M4. Recommended mounting using the Universal Mounting Kit.
Certifications	 CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX