



LR-6 reader







The LR-6 is a versatile all purpose 2.45 GHz RFID reader with a read-range up to 10 meters*. The LR-6 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-6 reader. A Software Development Kit will be available from TagMaster free of charge and will contain all the necessary tools required by system developers. The reader can be configured and controlled via the Ethernet interface, either locally or remotely via an Internet connection.

The LR-6 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. The LR-6 is backwards compatible with TagMaster’s existing reader hardware and software interfaces.

KEY FEATURES

- Read-range of up to 10 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-6 reader		* Depends on reader settings, ID-tags 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 10 meters* (32 ft with S1240 MarkTag MeM)	
Writing range	up to 0.5 meters* (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