



LR-3 reader






LR-3 is a compact 2.45 GHz RFID reader with a reading range of up to 3 metres. The LR-3 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-3 reader. A Software Development Kit is available from TagMaster 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-3 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 LR-3 is backwards compatible with TagMaster’s existing reader hardware and software interfaces.

KEY FEATURES

- Read-range of up to 3 metres
- 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 IP65 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-3 reader	* Depends on reader settings and mounting. ** Not available 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 3 metres* (10 ft)
Writing range	up to 0.5 metres* (1.6 ft)
Dimensions	230x145x50 mm / (9.06x5.71x1.97 inch)
Power supply	10 to 30 VDC
Power consumption	5 W (max 15 W)
Memory: Flash/RAM	16 MB /32 MB
Operating temperature	-20 °C (-4 °F) to +60 °C (+140 °F)
Encapsulation	IP 65
Mounting	Standard M4. Recommended mounting using the Universal Mounting Kit.
Certifications	   CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX