



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 the Reader to be prepared for customer specific adaptations and applications that can be developed by TagMaster in-house Development Team.

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-selectable radio channels ensuring smooth operation in multiple reader installations
- 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
- Extremely low RF power output, UL, 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 MarkTag MeM or MeM Duo) | |
| 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, UL Listed E345040 |