LR-6HD Reader

The LR-6HD is a 2.45 GHz RFID reader with a read-range of up to 10 metres (33 ft). The reader is suitable for applications where a higher environmental classification is required, such as track-side mounting in railway solutions.

KEY FEATURES

▶ Heavy-duty

▶ Read-range of up to 10 metres

▶ Suitable for outdoor mounting in all weathers

▶ User-programmable with TagMaster SDK including TCP/IP communication and SQL database support

▶ Accurate real-time clock (RTC)

▶ Ethernet, RS232, RS485 and Wiegand-Magstripe interfaces

▶ Tested and conforms to railway standards, CE and FCC approved

▶ General purpose inputs and outputs I/O ports

▶ Extremely low RF power output – no site licence required

▶ Flexible supply voltage (10 to 30 VDC)

▶ Licencefree worldwide

The LR-6HD is a heavy-duty 2.45 GHz RFID reader with a read-range up to 6 metres. It is an all in one reader with integrated antenna. The LR-6HD reader is developed for applications where a higher environmental classification is required, for example in railway solutions where track-side mounting is required. The reader can be installed at key locations such as stations, terminal entrances or maintenance centres, allowing trains fitted with ID-tags to be automatically identified. The reader's specification has been matched to meet the needs of the rail industry and the LR-6HD can identify ID-tags at passage speeds of up to 400 km/h. The reader 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-6HD reader. The reader can be configured and controlled via its serial interfaces or by using the built-in Ethernet interface, locally or remotely via an Internet connection.

TagMaster's heavy-duty readers are robust and designed for very tough conditions. The readers are designed to withstand vibrations as well as being highly resistant to electrical interference. Heavy-duty also means that the readers are built to withstand climatic conditions such as rain, ice and high or low temperatures.

PART NO. INFORMATION

LR-6HD Reader	154610
Universal Mounting Kit	193600

For software options, please contact TagMaster

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TECHNICAL INFORMATION	
Operating frequency	CW: 2.435 to 2.465 GHz
Read range	up to 10 metres* (33 ft)
Dimensions	290 x 165 x 56 mm (11.42 x 6.50 x 2.21 inch)
Power supply	10 to 30 VDC (NOM 24 V)
Power consumption	5 W (max 15 W)
Output power	10 mW
Memory: Flash/RAM	16MB /32MB
Operating temperature	-40°C (-40°F) to +70°C (+158°F)
Encapsulation	IP66
Certifications ((0413 ①	CE Certificate according to R&TTE-Directive 1999/5/EC, FCC M39LRXX +applicable railway standards

* Reading range depends on type of ID-tag and reader settings.

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