

HR-2 Handheld RFID Reader

DATA SHEET

The HR-2 handheld RFID Reader provides fully mobile read/write capability for TagMaster's 2.45 GHz ID-tags. The HR-2 is designed for use in a wide range of demanding environments where ID-tags need to be verified and recorded.



KEY FEATURES

- ▶ Robust design
- ▶ Touch screen user interface
- ▶ Designed for 10 h field-operation
- ▶ Read-range 2 metres (default)
- ▶ Frequency hopping (FHSS), license-free 10mW (E.I.R.P.)
- ▶ Real-time clock
- ▶ SDK for custom SW development
- ▶ Ethernet TCP/IP and RS232

The HR-2 handheld RFID Reader provides fully mobile read/write capability for TagMaster's 2.45 GHz ID-tags. The device is designed for use in a wide range of demanding environments where ID-tags need to be verified and recorded. The combination of this portable RFID device and its touch screen user interface with TagMaster's powerful Linux operating system provides integrators with the flexibility to customise or enhance the functionality of the HR-2.





The HR-2 is used for verifying the stored data and status of an ID-tag or for programming TagMaster ScriptTags. ID-tag information is stored in Flash memory and is easily transferred via Ethernet using the built-in web interface. The HR-2 Reader provides a 2 metres standard read-range which can easily be adjusted using the configuration menu. Frequency hopping (FHSS) is the default frequency setting which ensures error free operation in close proximity with permanent reader installations.

The HR-2 is a robust portable handheld Reader powered by Lithium-ion batteries. By utilising a default stand-by mode, the HR-2 can be operated for a full 10 hour work shift. The Reader becomes fully operational as soon as a reading is initiated via the touch screen. The HR-2 is based on the versatile and proven LR-series hardware platform which includes, Ethernet TCP/IP, RS232 connections, and USB. The Software Development Kit (SDK) can be used for proprietary application development and the open-source HR-2 software can be customised, including the touch-screen interface word-list language.

PART NO. INFORMATION

HR-2 Handheld RFID Reader	151600
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TECHNICAL INFORMATION

Operating frequency	2.435 GHz to 2.465 GHz (FHSS or fixed frequency selectable)
Read-range	Up to 3.5 metres (11.5 ft) configurable
Write-range	up to 0.2 metres (8 inch)
Dimensions	257 x 154 x 142 mm (10.12 x 6.06 x 5.59 inch)
Weight	1.4 kg (3.1 lbs)
Power supply and charger	24 V VDC Max 2 A (100 to 240 V~ adaptor included)
Battery capacity	14.4 V / 2200 mAh (5 h charging time)
Interfaces	Ethernet RJ45 and RS232 9P Dsub (f) (Reader Service Interface)
Memory: Flash/RAM	16MB /32MB
Operating temperature	-20°C (-4°F) to +50°C (+122°F) (Battery charging at 0°C (+32°F) to +45°C (+113°F))
Encapsulation	IP54
Certifications    	CE Certificate according to R&TTE-Directive 1999/5/EC, Annex IV (Health 1999/519/EC, El. safety EN60950, EMC EN301489-3:2000, Radio EN300440:2001), Radio safety EN60215, FCC part 15 Subpart B and C (2005)