HD Reader

The HD Reader is a 2.45 GHz Heavy Duty RFID reader with a read-range of up to 6 metres (20 ft). The reader is specifically designed for very tough environments, such as applications where the reader is mounted directly underneath a train.

KEY FEATURES

▶ Specially designed for demanding applications

▶ Extremely tolerant to high electromagnetic fields

▶ Complying with railway standards

▶ IP67 enclosure

▶ Linux Operating System

▶ Extremely low RF power output

▶ CE & FCC approved, no site licence required

▶ User-programmable

▶ RS232, RS485 interfaces

▶ Ethernet interface version

▶ Read range up to 6 metres (20 ft)

▶ High passage speed, up to 400 km/h

The TagMaster Heavy Duty reader is a 2.45 GHz RFID reader designed for demanding applications where a high environmental classification is required. The reader has been developed to meet the tough requirements of the rail, construction and logistics industries and conforms to a wide range of industrial and railway standards. The 2.45 GHz Heavy Duty reader is extremely resilient to electrical interference making it particularly suitable for applications where high levels of electrical noise exist. The Heavy Duty reader has a robust mechanical enclosure which provides excellent protection in demanding installations.

The Heavy Duty reader identifies TagMaster ID-tags at read-ranges of up to 6 metres. The read-range is user configurable. The reader uses digital processing techniques to enable high-speed ID-tag identification at speeds of up to 400 km/h.

PART NO. INFORMATION	DESCRIPTION
156640 HD Reader	HD Reader
156647 HD Reader	HD Reader with Ethernet

www.tagitalia.com   info@tagitalia.com

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TECHNICAL INFORMATION

Operating frequency	:	CW: 2.435 to 2.465 GHz, FHSS**: 2.400 to 2.484 GHz
Reading range	:	Up to 6 metres*(20ft)
Dimensions	:	310 x 200 x 61 mm / (12.2 x 7.9 x 2.4 inch)
Power supply	:	24 VDC Weight 3.6 kg (7.9 lb)
Power consumption	:	4.5 W
Memory : Flash/RAM	:	16MB /32MB
Operation temperature	:	-40°C (-40°F) to +70°C (+158°F)
Encapsulation	:	IP67
Mounting	:	Standard M8 screws, 4 mounting holes
Certifications	:	156642 complies to EC directives for EMC; 89/336/EEC (with additional directive 92/31/EEC) 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 M39LRXX.

* Depends on reader settings and mounting.
** Not available in Japan and Taiwan.

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