

# TagMaster

Product Catalogue



*HD-series*

# Heavy Duty Readers

## LR-6 HD Reader

part no 154610



The LR-6 HD is a heavy duty 2.45 GHz RFID reader with a read-range of 6 metres and up to 10 metres with the XL option. The reader is suitable for applications where a higher environmental classification is required, such as track-side mounting in railway solutions.

Dimensions: 290x165x56 mm / (12.4x9.2x5.0 in)  
Encapsulation: IP 66  
Interfaces: Ethernet TCP/IP, RS232, RS485, I/O, Relay  
Operating voltage: 10 to 30 VDC



## HD Reader

part no 156640



The HD Reader is a heavy duty 2.45 GHz 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.

Dimensions: 315x234x128 mm / (12.4x9.2x5.0 in)  
Encapsulation: IP 67  
Interfaces: RS232, RS485, Ethernet TCP/IP (optional), I/O, Relay  
Operating voltage: 10 to 30 VDC (Nominal 24 VDC)



## HD Track Reader

part no 156940



The HD Track Reader is a heavy duty 2.45 GHz RFID reader, designed to be mounted directly between the rails, e.g. on the sleepers/ties.

Dimensions: 606x246x170 mm / (23.9x9.7x6.7 in)  
Encapsulation: IP 67  
Interfaces: RS232, RS485, Ethernet TCP/IP (optional), I/O, Relay  
Operating voltage: 10 to 30 VDC (Nominal 24 VDC)



## XT-3 HD

part no 153110/153210



The XT-3HD Reader is a fully functional EPC Gen 2 (ISO 18000-6C) compliant UHF heavy duty RFID Reader with integrated antenna. This reader is primarily intended for track-side installations in asset tracking applications within the railway industry where EPC Gen 2 UHF ID-Tags are mounted on passing trains or wagons.

Dimensions: 300 x 300 x 60 mm (11.8 x 11.8 x 2.4 in)  
Encapsulation: IP66  
Interfaces: Ethernet TCP/IP, RS232, RS485, I/O, Relay  
Operating Voltage 10-30VDC



# TagMaster Reader Applications

TagMaster's fourth generation platform (GEN4) is built around a standard Linux operating system and has an open development platform. This enables integrators to develop and implement new applications and customer specific software for the GEN4 Readers. This Linux operating system is preinstalled in all TagMaster Readers.

TagMaster offers a range of standard applications providing varying functionalities and communication interface protocols, eg Auto TX, Watchman and Wiseman.

## Customized Reader Applications

These applications are developed by TagMaster or the System Integrator using the TagMaster Software Development Kit. Customized applications provide the customer with the best solutions for their specific application.

# Heavy Duty ID-tags

## MarkTag HD

part no 145500



The MarkTag HD is a read-only 2.45 GHz ID-tag, where the tag-ID is set to a unique 8 digit number.

Dimensions: 91 x 59 x 8 mm / (3.6 x 2.3 x 0.3 in)  
Battery life: 10 years  
Encapsulation: IP 67  
Tag-ID: 8 digit (28 bits) Factory set ID

## MarkTag HDS

part no 145600



The MarkTag HDS is a read-only 2.45 GHz ID-tag, specially designed for high passage speeds, up to 400 km/h.

Dimensions: 91 x 59 x 8 mm / (3.6 x 2.3 x 0.3 in)  
Battery life: 10 years  
Encapsulation: IP 67  
Tag-ID: 8 digit (28 bits) Factory set ID

## ScriptTag HD

part no 145000



The ScriptTag HD is a read-write 2.45 GHz ID-tag that can be programmed via a reader using the RF interface.

Dimensions: 91 x 59 x 8 mm / (3.6 x 2.3 x 0.3 in)  
Battery life: 6 to 10 years depending on configuration  
Encapsulation: IP 67  
Tag-ID: 8 digit (28 bits) Factory set ID plus user programmable memory  
Memory size: 574 bits and 32 bit checksum

## MarkTag HDS FP

part no 149700



The MarkTag HDS FP is a read-only 2.45 GHz ID-tag for applications where the tag-ID can be defined by the customer and programmed in the field. The 149700 can also be ordered pre-programmed by TagMaster (part no 149600).

Dimensions: 91 x 59 x 8 mm / (3.6 x 2.3 x 0.3 in)  
Battery life: 10 years  
Encapsulation: IP 67  
Tag-ID: 32 bits factory or field programmable ID

## CableTag HD

part no 147000



The CableTag HD is a read-programmable 2.45 GHz heavy-duty ID-tag. The CableTag is externally powered and programmed via its serial interface. The interface allows the programmable memory area to be dynamically updated by the system it is connected to.

Dimensions: 150 x 68 x 35 (5.9 x 2.7 x 1.4 in)  
Power: External dc supply (std 10 to 30 VDC)  
Interface: RS485  
Enclosure: IP67

## Software Development Kit



The Software Development Kit (SDK) is used for developing custom Reader software applications for TagMaster RFID Readers based on the GEN4 Linux platform. The SDK is prepared with compilers, tools, and services for developing Reader application software.

**HR-2 Handheld Reader****part no 151600**

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.



## Accessories

**Universal Mounting Kit****part no 193600**

Mounting Kit (UMK) including brackets for both pole and wall (flat surface) mounting of the LR-6HD Reader. The UMK is suitable for indoor and outdoor use.

**CardTape****part no 195400**

Double-sided transparent adhesive tape for permanent attachment of ID-tags.

**TagFixing HD****part no 195500**

Holder used for mounting heavy-duty ID-tags on sleepers/ties.

## Configuration guide

	LR-6HD Reader	HD Reader	HD Track Reader	HD ID-tags*
TagMaster Linux OS	✓	✓	✓	
WiseMan Software	✓	✓	✓	
WatchMan Software	✓	✓	✓	
Auto Transmit Software	✓	✓	✓	
Software Development Kit	✓	✓	✓	
Universal Mounting Kit	✓			
CableKit 1	✓			
CableKit 2	✓			
TagFixing HD				✓
CardTape				✓

\* Excluding CableTag HD

For further information, please visit the TagMaster website [www.tagmaster.com](http://www.tagmaster.com) or contact us at [sales@tagmaster.com](mailto:sales@tagmaster.com)