

TagMaster

Product Catalogue 2007/2008



HD-series

Heavy Duty Readers

LR-6HD Reader



The LR-6HD is a heavy duty 2.45 GHz RFID reader with a read-range of up to 6 metres (20 ft). 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)
Power supply: 10 to 30 VDC
Encapsulation: IP 66
Interfaces: Ethernet (TCP/IP), RS232, RS485
Software: WiseMan, WatchMan or customer specific SW



HD Reader



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)
Power supply: 10 to 30 VDC (Nominal 24 VDC)
Encapsulation: IP 67
Interfaces: RS232, RS485, Ethernet (optional)
Software: WiseMan, WatchMan or customer specific SW



S1510 Handheld Reader



The S1510 Handheld is a 2.45 GHz RFID reader with an integrated industrial PDA. The reader has a read-range of up to 1 metre (3.3 ft). This portable handheld device is suitable for use in a wide range of applications.

Dimensions: 185x83x32 mm / (7.3x3.3x1.3 in)
Power supply: 5 VDC (100 to 240 VAC adaptor included)
Encapsulation: IP 44
Interfaces: IR, W-LAN, Bluetooth
Software: Pocket Reader (included)

HD Track Reader



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)
Power supply: 10 to 30 VDC (Nominal 24 VDC)
Encapsulation: IP 67
Interfaces: RS232, RS485, Ethernet (optional)
Software: WiseMan, WatchMan or customer specific SW



Software

WatchMan SW

The WatchMan software is used in identification systems that include one or several Readers controlled from a host. The software is suited for identification systems where the Reader is controlled from a host that handles customised functionality.

WiseMan SW

The WiseMan software is used in identification systems that require a Reader with both information storage and decision-making capabilities. The software makes it possible to use the Reader stand-alone or to control the Reader from a host.

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.

Heavy Duty ID-tags

S1455 MarkTag HD



The S1455 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

S1456 MarkTag HDS



The S1456 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

S1450 ScriptTag HD



The S1450 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

S1497 MarkTag HDS*



The S1497 MarkTag HDS 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 S1497 can also be ordered pre-programmed by TagMaster.

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

S1470 CableTag HD*



The S1470 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
Interface: RS485
Enclosure: IP67

EX certified versions



MarkTag HD, MarkTag HDS and ScriptTag HD are also available as ATEX certified versions. For more information on these products, please contact TagMaster Sales.

** Preliminary information, contact TagMaster for further information.*



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. A Software Development Kit is available from TagMaster containing all the necessary tools required by system developers. The GEN4 Readers are backwards compatible with TagMaster's previous generation of Readers.

Accessories

Universal Mounting Kit



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

S1954 CardTape



S1954 CardTape is a double-sided transparent adhesive tape for permanent attachment of ID-tags.

TagFixing HD



S1955 TagFixing HD is a holder used for mounting heavy-duty ID-tags on sleepers/ties.

Cable Kit 1



Cable Kit 1 is a kit that includes a Power cable (open end) and a Serial cable with a 9-pin D-sub connector. These high quality outdoor cables are flexible and complete with cable glands and integrated EMC protection. Ready for connection to the TagMaster LR-6HD Readers. Length: 2x10 metres (33 ft)

Cable Kit 2



Cable Kit 2 is a kit that includes a Power cable (open end) and an Ethernet cable with an RJ45 connector. These high quality outdoor cables are flexible and complete with cable glands and integrated EMC protection. Ready for connection to the TagMaster LR-6HD Readers. Length: 2x10 metres (33 ft)

Configuration guide

	LR-6HD Reader	HD Reader	HD Track Reader	S1510 Reader	HD ID-tags
TagMaster Linux OS	✓	✓	✓		
WiseMan Software	✓	✓	✓		
WatchMan Software	✓	✓	✓		
Pocket Reader Software				✓	
Software Development Kit	✓	✓	✓		
Universal Mounting Kit	✓				
CableKit 1	✓				
CableKit 2	✓				
TagFixing HD					✓
S1954 CardTape					✓