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APPENDIX M
OF
TEST REPORT T60643_F

BROCHURE

FCC ID: TVN-MDR1109
Manufacturer: MAGELLAN TECHNOLOGY PTY LIMITED
Test Sample: MDR-1109 Desk Top Reader
Model: MDR-1109
Serial Number: 100132

Date: 19th July 2006

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MDR-1109
Desktop Reader

Overview

The Desktop Reader (MDR-1109) is an RFID read-write device designed specifically for use in embedded or desktop environments.

Product description

The **MDR-1109** operates as a stand-alone peripheral device communicating with a host PC via USB or Ethernet connections.

The **MDR-1109** will read and write information to multiple StackTags with zero separation between tags or individual ItemTags.

 The **MDR-1109** features:

- Reliable identification, reading and writing up to 20 PJM StackTag® items with zero separation between tags or to individual PJM ItemTag® tags.
- Fast operation on 2 PJM reply channels
- Good connectivity offering both Ethernet and USB interfaces
- Complies with ISO/IEC 18000-3 Mode 2

Specification MDR-1109

Read and write operations	
No manual calibration needed	
No user-serviceable parts	
ISO/IEC Compliance	18000-3 Mode 2
Operating Frequency	13.56 MHz
Number of Axes	1
Number of Reply Channels	2
Command Data Rate	424 kbit/s
Reply Data Rate	106 kbit/s per channel
Operation Range	0 – 110 cm PJM ItemTag® (76x45 mm, 5 turns) 0 – 60 cm PJM StackTag® (76x45 mm, 5 turns)
Tag Type	PJM StackTag® and PJM ItemTag®
External Dimensions (L x W x H)	146 x 91 x 30 cm
Net Weight	0.41 kg
Low Voltage Input	12 VDC @ 350 mA
Operation environment	Indoor use
Temperature range	+10°C to +45°C
Humidity	10% to 80% (non-condensing)
Recommended Minimum Host Computer Requirement	Windows XP/ 500 MHz CPU/ 128MB RAM
Host Interface	USB and Ethernet