



Overview

Magellan's 3D antenna shelving system is a brand new innovation in RFID inventory tracking. The unique 3D read range, active across the entire surface of the shelf, reads PJM RFID tags positioned in any orientation. This revolutionary feature eliminates the need to manually align tagged items to achieve complete readability.

The shelves are suitable for a range of inventory tracking applications, including pharmaceuticals, medical implants, reagents and blood bags. They can be used in dry storage cupboards and drawers and being moisture resistant are also suitable refrigerated environments.

When paired with Magellan's range of MARS series readers, the unique 3 dimensional antenna design ensures all tagged items are continuously read, regardless of their orientation. With the ability to provide live stock reports and alert users when stock is running low or close to expiry, the Magellan 3D antenna shelving provides complete visibility and stock control, ensuring that all your consignment stock is current and in order.

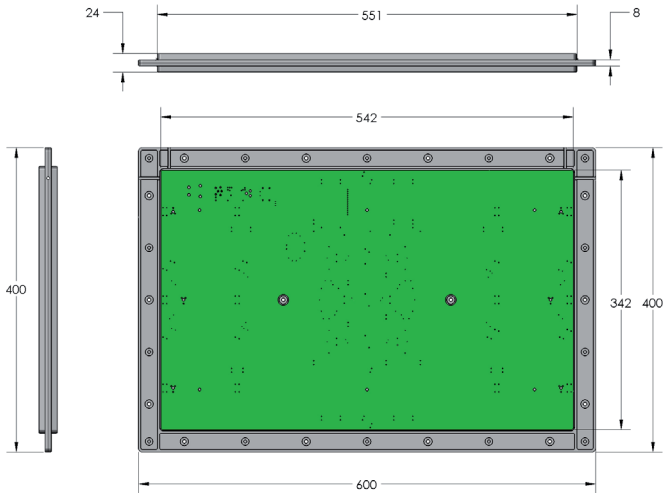


FEATURES AND BENEFITS

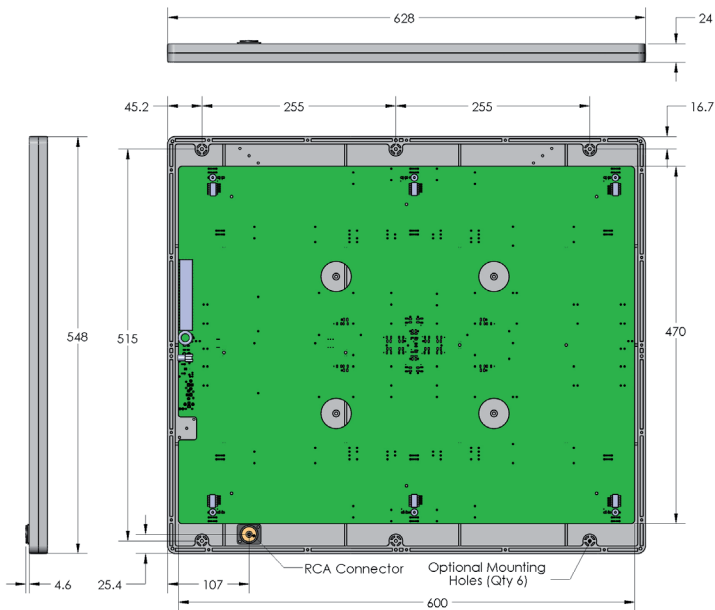
- » Eliminate error in inventory management procedures
- » Identifies removal or addition of stock, providing up-to-date inventory level information
- » Accurately identifies hundreds of closely stacked tagged items in any orientation
- » Complete 3 dimensional read range across entire shelf surface
- » Sealed ABS casing that is safe from spills, enabling storage of dry and liquid items
- » Safe to use in refrigerated environments

SPECIFICATIONS

ISO Standard Size Shelf



Blood Fridge Shelf



Electrical	
Operating Frequency	13.56 MHz
ISO/IEC Compliance	ISO/IEC 18000-3 Mode 2
Compatible Readers	Operates with MARS Series Readers
Operating Range	3D operation across entire shelf surface
Power Supply	12 VDC
Power Consumption	3W
Performance	
Recommended tags	See website for Tag Reference Table
Identification rate at 100% accuracy	Up to 600 tags/s with MARS-24
Environmental	
Operating Environment	Indoor use
Temperature Range	-40°C to +45°C ambient
Moisture	IP65 compliant
Mechanical	
Construction	ABS Medical Grade Plastic with silicone seal
Antenna	Internal antenna (copper and FR4)
External Dimensions	Application dependant, contact Magellan for
Certifications*	
	(* when used with MARS Series Readers)
USA	Complies with FCC Part 15 Low Power Communication Device and EN 55022 Class B
Canada	Complies with RSS-210 EMI regulations
Europe (CE Mark)	EN55022, EN 301 489-1 V1.6.1, EN 301 489-3 V1.4.1, EN 61000-3-2, EN 61000-3-3, EN 61000-4-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-4-11, EN 60950.1, EN 300 330-1 V1.3.1, EN 300 330-2 V1.3.1, EN 50364, EN 50357, RoHS
Australia	AS/NZS CISPR 22(2006), EN55022, AS/NZS 4268 (2003), AS/NZS 60950, RPS3 (ARPANSA)
Other Features	
Calibration and Tuning	No manual calibration or tuning required
Shielding Methods	Ferrite shielding and field cancellation
Antenna Placement	Can be place next to each other, refer to Magellan for further information



65 Johnston Street, Annandale NSW 2038 Australia
 Ph: +61 2 9562 9800 Fax: +61 2 9518 7620
 E: info@magellan-technology.com
 www.magellan-technology.com

About Magellan

Magellan Technology Pty Ltd, Sydney, Australia, is a technology developer, manufacturer and licensor of advanced read/write 13.56 MHz RFID systems. Magellan designs and offers PJM RFID chips, inlets, a complete portfolio of reader/writers and operating software. Magellan's Phase Jitter Modulation (PJM) technology complies with the International Standard ISO/IEC 18000 Part 3 Mode 2.