



RFMAX RFID PORTAL ANTENNAS

WHAT IS RFMAX?

A short and simple, but comprehensive portfolio of antenna and cables solutions for RFID system integrators.

High Performance and High Quality to provide "Maximum RF" performance of your RFID system.

- Fixed Reader Antennas
- Door Portal Antennas
- Antenna Mounting Solutions
- Coax Cable Assemblies
- Enclosures





EVOLUTION OF RFID DOCK DOOR PORTALS FROM JAMISON TO SLS TO THE FLEX-ANTENNA

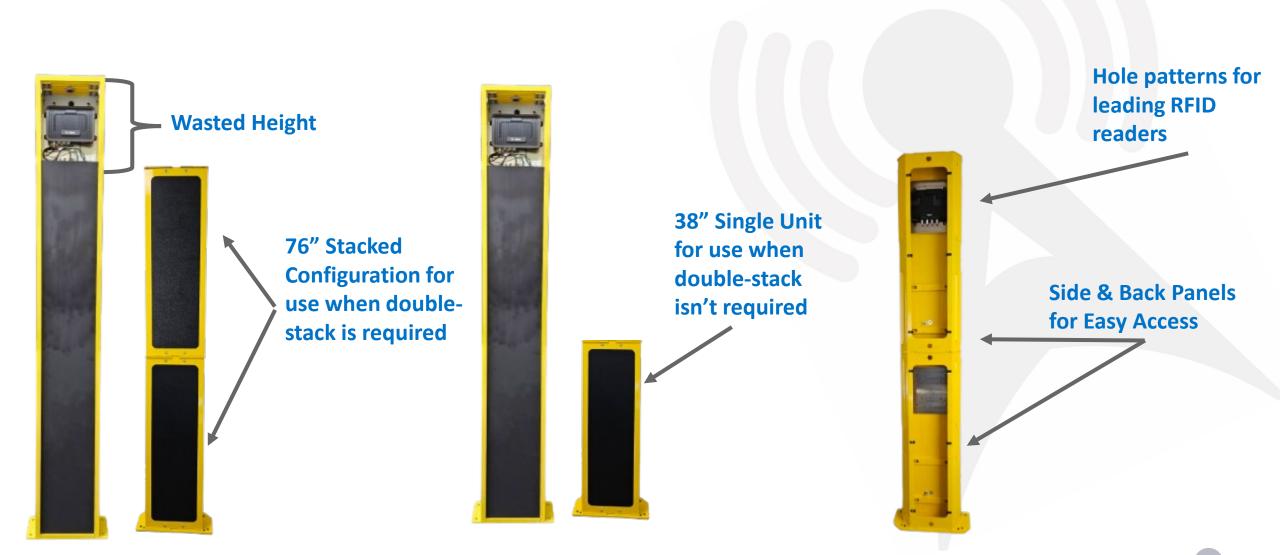




	Dock Door 1.0 (<2015)	Dock Door 2.0 (2015 – 2024)	Dock Door 3.0 (2024+)
Weight	130 lbs	48 lbs	19 lbs (each unit)
Height	78 in	96 in	38 in (each unit)
Antenna Type	Circular	Multi-linear	Multi-linear
Mounting	Floor	Floor	Floor, Pole, Chain, Ceiling, Wall, VESA
Shipping Type	LTL Freight (Crate)	LTL Freight (Extended Pallet)	FEDEX, UPS, USPS, DHL (Standard)
Custom Branding	N/A	Custom Order Only	Easy Order & Self-Install

FLEX-ANTENNA VS. COMPETITION COMPARISON

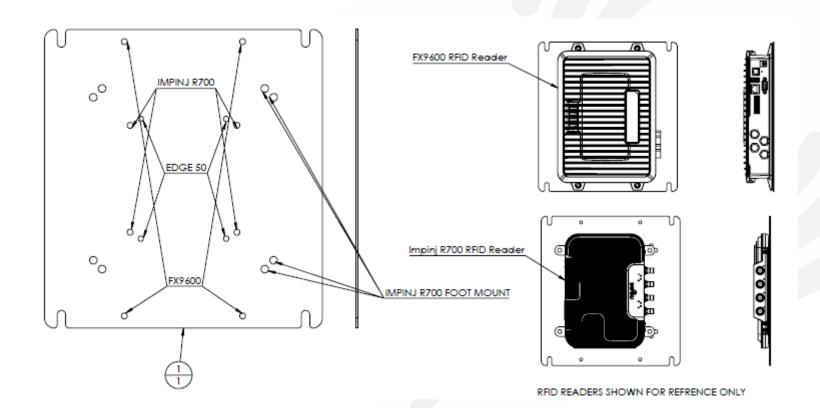




FLEXANTENNA READER INSTALLATION (READER AGNOSTIC)









FLEX-ANTENNA PERFORMANCE

FLEX-ANTENNA DATASHEET



SPECIFICATIONS

Dimensions: 38.0" x 12.8" x 5.8"

Weight: 19 lbs (per unit)

Temperature Range: -4°F to 140°F (-20°C to 60°C)

Frequency Range: FCC 902-928 MHz, ETSI 865-868 MHz

Gain: 8 dBi

Impedence: 50 Ohms

Maximum Input Power: 10 Watts

Connector: TNC Reverse Polarity

Polarization: Multi Linear

FLEXANTENNA RF PERFORMANCE

- Multi-Linear
- Focused Beams
- Captures All Orientations
- Strong Near-Field Performance

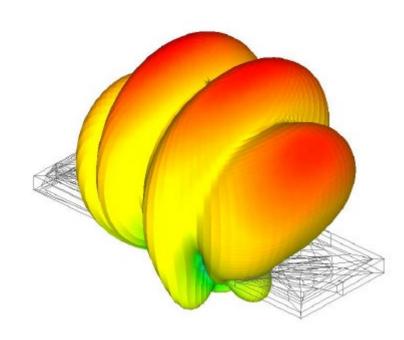


FLEXANTENNA READ CHARACTERISTICS

- Optimal for Dock Doors / Conveyors
- Zone Control
- Compatible With Leading RFID Readers
- Integrated Antennas No Adjustment Required

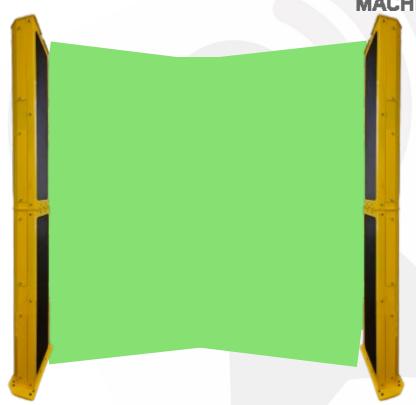
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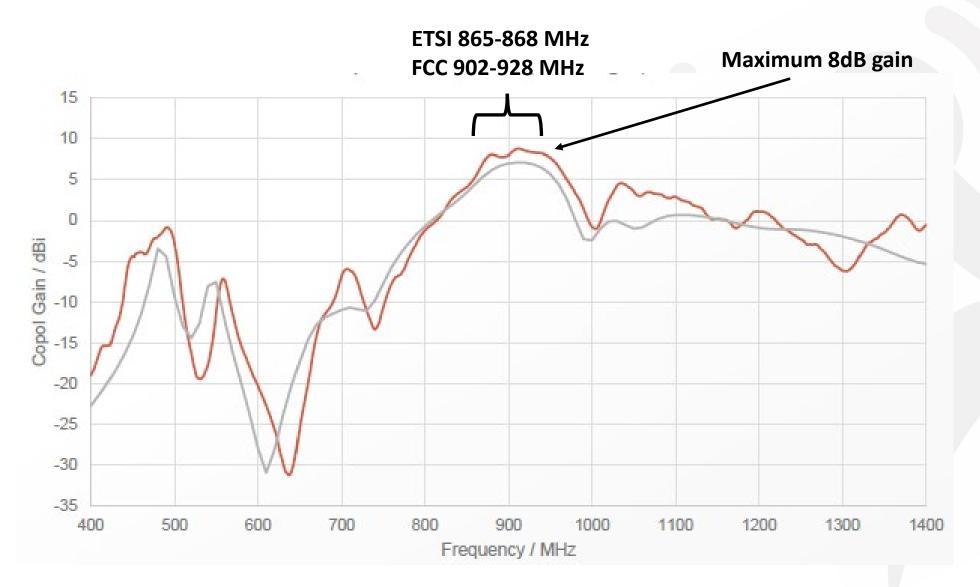


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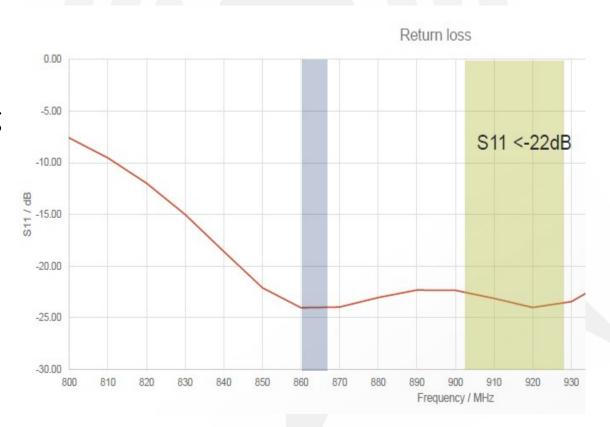


FLEX-ANTENNA RF QUALITY



Production Quality Testing:

- Every unit is tested with a network analyzer
- Some variation occurs due to manufacturing tolerances
- Return loss / S11 measurement is used to monitor variation
- Quality standard is to keep S11 below 20dB (equals 0.04dB mismatch loss)





THE BENEFITS OF FLEX-ANTENNA



FLEX-ANTENNA-MULTIPLE USE CASES

Manufacturing

- Materials
- Work in Progress
- Finished Goods
- Refurbishing
- Tooling

Logistics

- Container Tracking
- Inbound
- Outbound



FLEX-ANTENNA MOUNTING OPTIONS





U-Bolt Pole Mount



Wall & Ceiling Flush Mount



Hanging Chain Mount



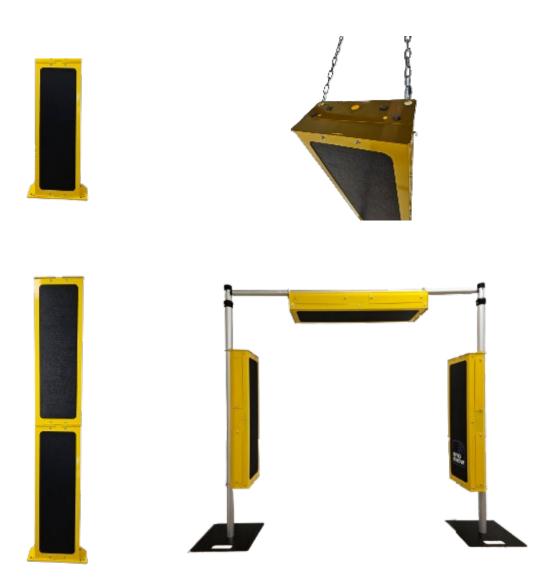
Floor Mount with Leveling



VESA 100x100 Mount

FLEX-ANTENNA MOUNTING OPTIONS









NEW! ADJUSTABLE MOUNTING STAND



• Features:

- Off-the-shelf kit with all hardware
- Vertical and horizontal spans
- U-Bolt pole mounts for portals
- Pass through for cabling
- Opposing sides can connect
- Lightweight durable construction





MACHINES & MEDIA

- LED Tower Indicator Lights
 - Shipment Verification
 - Equipment Status
 - Audible Alarm



- Motion Detection
- Doorway Open / Close Detection





FLEX-ANTENNA: LOGISTICAL ADVANTAGES







LTL Carrier Shipping

- Oversized Pallets
- Forklift Required
- Loading Dock / Lift Gate Needed
- Space Needed to Stage / Store
- Hundreds of Dollars for shipping

FedEx / UPS / Postal Shipping

- Convenient Corrugated Box
- Easily handled by single person
- Standard Delivery Options
- Stackable and Easily Stored
- Inexpensive 2 Day Shipping



FLEX-ANTENNA: LOGISTICAL ADVANTAGES



Transporting Legacy RFID Portals

- Oversized Pallets
- Forklift Required
- Loading Dock / Lift Gate Needed
- Does not fit into vehicle cab



Transporting FlexAntenna RFID Portals

- Convenient Corrugated Box
- Easily handled by single person
- Stackable and Easily Stored
- Fits into vehicle cab



FLEX-ANTENNA LOGISTICAL ADVANTAGES



Legacy (8 foot tall) RFID Portals

- Oversized Pallets (expensive!)
- Forklift Required!
- Loading Dock / Lift Gate Needed!
- Does not fit onto shelving



38 inch / 19lbs. Flex-Antenna RFID Portals

- Ships in a convenient corrugated Box
- Easily handled & installed by a single person
- Stackable and Easily Stored
- Fits onto shelving

FLEX-ANTENNA ADVANTAGES SUMMARY

- Flexible Modular Design
 - Configure on-site to meet project needs
 - Less SKUs
 - Reduce Spare Parts Costs
 - Multiple mounting options
 - Floor Stacks
 - Tunnels / Conveyors
 - Overhead Chains
 - Poles
 - Walls & Ceilings
 - VESA Brackets
- Reduced Size & Weight
 - Single person setup
 - Lower shipping costs
 - Drywall anchor friendly





Machines & Media, Inc. 7935 Stone Creek Drive/Ste 130 Chanhassen, MN 55317

1-800-669-5250 RFID@machinesandmedia.com