

NeWave® Dock and Exit Door Portals

Raising the bar for accuracy, versatility, and efficiency in RFID portals

Summary

The NeWave Wave® Dock and Exit Door portals bring a new level of performance, ease of use and convenience to RFID users. These new portals are extremely durable, install easily and don't jump into misreads when bumped by people, carts, or lifts.

With two embedded Wave® antennas in each panel, these portals are specifically designed to control and minimize extraneous reads while providing optimal item level zone coverage. With our built-in antennas, there is no need to worry about adjustments at installation or when they become misaligned, scenarios which are very common with patch antennas used in portals. You can be assured of consistently superior read accuracy.

These new portals are adjustable to fit just about any entrance and doorway and are extremely versatile. Our standard portals come with two side panels and allow for optional top carriers to tuck away the reader and cables to add to a finished look. The metal construction can be painted to meet bright colors required for the loading area or softer colors of the office. NeWave delivers this combination of superior read-accuracy, versatility and ease of installation at a very attractive and competitive price level.

The NeWave Dock Door Portal



Key Characteristics:

- Provides coverage for an entire 10x10 foot door area with minimal stray reads.
- Plug and play. Two antennas embedded into each panel. Ready to connect to any Gen 2 reader.
- Top panel conveniently hides reader and cables.

- Adjustable height and width
- Highly rugged. Able to withstand abuse from even forklifts.

Target Applications:

- Distribution Centers
- Shipping and receiving doorways
- Wide exit or entrance ways

The NeWave Exit Door Portal

Key Characteristics:

- Provides coverage up to 6 feet
- Installs easily. Plug and play operation.
- Optional top panel conveniently hides reader and cables.
- Two Wave antennas are built inside each panel with no adjustments required.
- Rugged metal frames can withstand heavy abuse.
- Frames are paintable to match interior designs.



Target Applications:

- Ideal for office or commercial sites
- Interior or exterior door frames



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Specifications



Product/Part Number	Wave Exit Door Portal NSS Wave-PDM1	Wave Dock Door Portal NSS Wave-PWDM2
Portal Frame Dimensions	84" height, 8" width, and 3" depth	96" height, 18" width, and 3" depth
Weight (without reader)	70 to 100 pounds depending on configuration	70 to 100 pounds depending on configuration
Top Cover Options	<ul style="list-style-type: none"> • 2 side panels/no top cover (standard) • One top cover bracket adjustable to 6 feet 	<ul style="list-style-type: none"> • 2 side panels/no top cover (standard) • One top cover bracket adjustable to 12 feet
Cover Options	Yellow (standard)/paintable	Yellow (standard)/paintable
Construction/material	Antenna Cover: ABS plastic Interior: Polystyrene Foam Frame: Galvanized steel construction	Antenna Cover: ABS plastic Interior: Polystyrene Foam Frame: Galvanized steel construction
Frequency Range	865~868 MHz, 902~928 MHz	865~868 MHz, 902~928 MHz
Operating Temp. for Indoor Environment	-4°~140°(-20°~60°C)	-4°~140°(-20°~60°C)
Read Range	Variable based on application	Variable based on application
Cabling Options	Ready to connect to reader	Ready to connect to reader
Reader Compatibility	Any UHF Gen 2 Reader	Any UHF Gen 2 Reader
Mounting Brackets	Adjustable mounting brackets included	Adjustable mounting brackets included

About NeWave®*Sensor Solutions, LLC:

NeWave Sensor Solutions, LLC is a leading provider of optimized solutions for today's most challenging item-level Radio Frequency Identification (RFID) problems. The company develops an industry -standard RFID technology based on the patented Wave® antenna that sets a new standard for accuracy, versatility and efficiency. The Wave is the first and only antenna specifically designed to be used for item-level RFID solutions.

NeWave's core technology was developed by the world-class Electro Science Laboratory (ESL) of The Ohio State University, a pioneer in RF research and development under the guidance of NeWave's Chief Technical Officer (CTO), and is produced in partnership with Wistron NeWeb (WNC), the Taiwan-based global leader in antenna manufacturing. NeWave's management team leverages a strong technical and international business heritage in a variety of industries for accomplishing its mission of providing optimized solutions to today's greatest RFID challenges.

For more information, please visit us at www.newavesensors.com

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