

# The newave® plug&playPortal



## Product Overview

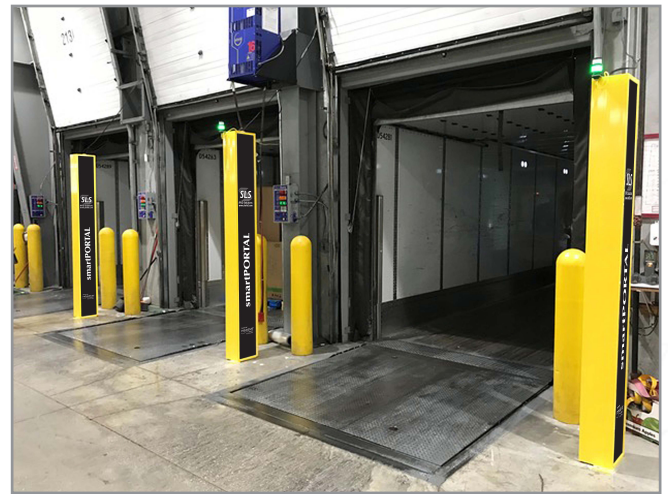
Now there is one portal rugged enough for distribution centers but sleek and attractive enough for any business interior. The best of both worlds and yet very economical!



newave is pleased to offer a new portal that utilizes its patented and unique wave® antenna built into a portal frame designed by Smart Label Solutions (SLS™), newave's portal partner. This combination provides a superior level of performance, ease of install, and aesthetics to RFID users. The newave plug&playPortal is constructed with extruded aluminum and sturdy coroplast covers and has two wave antenna elements embedded in a composite structure into each plug&playPortal. These antennas are designed to cover all three tag orientations and they never come out of alignment or need to be adjusted even when bumped. They simply deliver consistently superior read accuracy.

## Key Features and Benefits of the newave® plug&playPortal

- These portals aren't prototypes. There are over 6,000 multi-use portals already installed.
- Installation is simple. Corner brackets are designed to fit in frame grooves and then anchored to the floor.



- Options to fit your individual requirements: bollards, door closed sensors, enclosed reader, and installation are available.
- No need to order antennas for each portal, hoping you remembered the specific antenna part number. Two newave antennas are built into each portal. No installation adjustments to antennas (like patch antennas) or follow on maintenance.

The newave plug&playPortal offers :

- The Superior Accuracy and Performance of our wave® antenna
- Powered through a POE connection
- Excellent Versatility for Multiple RFID Applications
- Optimal Efficiency. These Portals are Plug and Play.

# Specifications



## **newave® plug&playPortal**

Dimensions	101.5"x15"x4.5" . 60 inch height option is available.	
Weight per Portal	38 lbs.(Safety Yellow) 35 lbs(Gray)	
Background color	Black is standard. Beige is an option	Frame color: Gray, Safety Yellow, or White
Temperature range	-4F to 140F (-20C to 60C)	
Frequency range (North America)	902~928 MHz	ETSI 865-868 MHz is available
User defined zone coverage area	2' x 2' x 2' to 10' x 10' x 10'	
Gain	5.5 dBi	
Impedance	50 Ohms	
Polarization	Multi-linear	
Maximum input power	10Watts	
H-Plane beamwidth	360 degrees	
E-Plane beamwidth	360 degrees	
Connector	TNC reverse polarity	
Optional cables	As required	
Bollards	4"x42" available	

## **About newave®\* sensorSolutions, llc:**

The newave® sensor Solutions is a leading provider of optimized solutions for today's most challenging item-level Radio Frequency Identification (RFID) problems. The company develops 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 direction of newave's Chief Technical Officer(CTO) and is produced in partnership with Wistron NeWeb (WNC), a Taiwan-based global leader in antenna manufacturing. The newave management team leverages a strong technical and international 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.newaverfid.com](http://www.newaverfid.com).

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superior  
rfid accuracy