

D-Series®

RFID Dock Door Solution



Optimizing Supply Chains

For organizations looking to gain visibility and efficiency in their supply chain, look no further. The SLS D-Series® RFID Dock Door Solution was designed with your supply chain needs in mind - combining the performance of Wave® Antenna technology, lightweight strength of durable aluminum extrusion, and unmatched ease of installation to deliver the industry's leading industrial data capture solution.

Control Your Read Zone

The SLS D-Series® RFID Dock Door Solution has quickly become the industry leader for RFID solutions within warehouses and distribution centers. Using the Wave® Antenna Technology, the D-Series® operates at a very low power, allowing read zones to be tightly controlled and extremely defined, while minimizing risk of cross reads between adjacent read points. Differing from patch antennas, the D-Series® is designed to uniformly illuminate a volume of space, allowing for greater read accuracy with zero support from complex software algorithms.

The integrated Wave® Antennas used in the D-Series® are unique in covering all three tag orientations within a user-defined zone. Our antenna design creates a wide-angle lens effect which covers all three polarizations at once and are designed to provide superior UHF read zone coverage. Whether there is a need for pallet level or item level reads, the SLS D-Series® is fully equipped to acquire these tag reads with impressively high accuracy.

Built to Last

The SLS D-Series® has made its mark in the industry not only for its outstanding technology performance, but its ruggedness and durability. These antennas are often installed in industrial, high traffic environments and are subject to forklift damage from time to time. SLS has manufactured these antennas to withstand large blows while maintaining full functionality in the field.

Scalable

The SLS D-Series® is completely plug-and-play - no additional servers or A/C power is necessary. SLS understands the need for these solutions to be cost effective in order to have a quick ROI, which is why our Dock Door Solution was engineered to be ran completely off of Power over Ethernet (PoE).

The SLS Dock Door Solution offers an extremely straightforward installation process, allowing for a repeatable and scalable solution, giving our customers an even greater overall success and rapid ROI.





	SLS D-800	SLS D-500	SLS-D-200	SLS D-100
Weight	45lbs	30lbs	10lbs	10lbs
Dimensions	96"x15"x4"	62"x15"x4"	24"x15"x4"	61"x9"x2"
Reader Compatibility				
Impinj R420	✓	✓	✓ *	✓
Impinj R700	✓	✓	✓ *	✓
Zebra FX9600	✓	✓	✓ *	✓ *
Zebra FX7500	✓	✓	✓ *	✓
GPIO	Optional	Optional	Optional	Optional
Mounting Hardware	Included	Included	Included	Included
Max EIRP (FCC Compliance)	36 dBm	36 dBm	36 dBm	36 dBm
Frequency Range (North America)	902-928 MHz	902-928 MHz	902-928 MHz	902-928 MHz
Frequency Range (Europe)	865-868 MHz	865-868 MHz	865-868 MHz	865-868 MHz
Temperature Range	-4°F to 140°F (-20°C to 60°C)	-4°F to 140°F (-20°C to 60°C)	-4°F to 140°F (-20°C to 60°C)	-4°F to 140°F (-20°C to 60°C)
Polarization	Multi-Linear	Multi-Linear	Multi-Linear	Multi-Linear
Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Gain	3.0 dBi	3.0 dBi	3.0 dBi	3.0 dBi
Maximum Input Power	10 Watts	10 Watts	10 Watts	10 Watts
H-Plane Beam Width	180 Degrees	180 Degrees	180 Degrees	180 Degrees
E-Plane Beam Width	180 Degrees	180 Degrees	180 Degrees	180 Degrees
Antenna Count	2	2	1	2
RF Coaxial Cables	Included	Included	Included	NOT Included
Cable Spec	RPTNC Male to RPTNC Male	RPTNC Male to RPTNC Male	RPTNC Male to RPTNC Male	RPTNC Male to RPTNC Male

* Mounted Externally

Federal Communications Commission (FCC) Compliance

Industry Canada (IC) Compliance

Europe – EU Declaration of Conformity (CE mark)

© 2021 Smart Label Solutions, LLC V1.0