

T-Series®

RFID TUNNEL SOLUTION

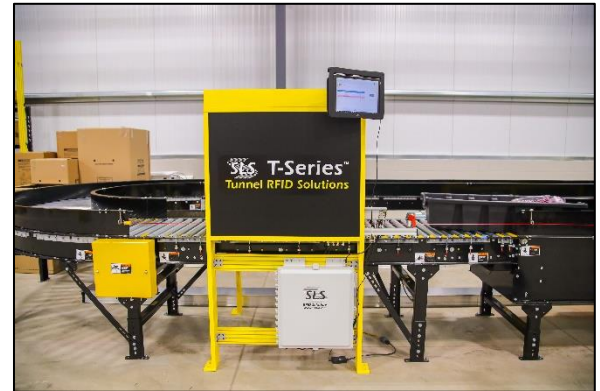


Optimizing Supply Chains

Whether your business process involves item level tagging or container tagging, the SLS T-Series® is a necessity for those looking to error proof and optimize their supply chain. The T-Series® has the ability to improve customer satisfaction by allowing distribution centers to verify shipments. SLS offers visibility to what was shipped in comparison to what was ordered and offers a quality control safe net for increased shipment accuracy.

Designed for You

SLS engineers and manufactures all tunnels at headquarters – in Howell, Michigan – with the customers' business process in mind. Whether our customer has existing conveyor that they would like to implement RFID on, or a plan to add conveyor in the future, SLS will design the tunnel solution with their success being the highest priority.



Reliable Technology

The SLS T-Series® leverages the same Wave® technology seen in our D-Series® Solution that gives us the ability to maintain a very controlled read zone in an array of environments. The Wave® antenna technology significantly reduces the chance of tag adjacency issues in multi-line distribution center applications and will not require support from complex software algorithms. Our lightweight aluminum extrusion and entirely customizable design allows for a very tightly controlled read point with high tag volumes.

The integrated Wave® Antennas used in the T-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 zone coverage.

The T-Series® from SLS is a fully integrated and durable solution which is easily implemented into existing distribution center processes.

Scalable

The T-Series® is designed to be completely plug and play. The tunnel itself runs on Power over Ethernet (PoE), with A/C power only being necessary for the barcode scanner. The tunnel solution offers an extremely straightforward installation process, allowing for a repeatable and scalable solution, giving our customers greater overall success and ROI.

Tunnel Specifications

Conveyor Spec	Up to 250 fpm with a minimum box spacing of 24"
Performance Spec	T-Series® is capable of reading up to 250 tags on a conveyor moving up to 250 fpm with a box spacing of 24" (This number will vary based on the product and tags used)
Standard Dimensions	Custom built to fit existing operation Standard Outer: 36"Lx38"Wx64"H Standard Inner: 36"Lx30"Wx60"H
Enclosure Rating	IP68
Housing Material	Polycarbonate
Power Required	AC 110 (Region of Installation Dependent) PoE 802.3af (Qty:1)
Standard Weight	200 lbs
Frequency Band	902 MHz - 928 MHz (FCC) 865 MHz - 868 MHz (ETSI)
Gain	3 dBi
Impedance	50 Ohms
Polarization	Multi-Linear Wave Antennas
Connectors	RPTNC
Protocol	MQTT, TCP/IP, FTP,
Data Output Format	JSON, XML

Reader Compatibility

Impinj R420	Compatible
Impinj R700	Compatible
Zebra FX9600	Compatible
Zebra FX7500	Compatible
Alien F800	Compatible

Add On's / Accessories

GPIO	Included
UI	Included*
Scanner	Included*
Enclosure	Included
Protective Equipment (optional)	Compatible

*Specific model is use case dependent

Federal Communications Commission (FCC) Compliance
Industry Canada (IC) Compliance
Europe – EU Declaration of Conformity (CE mark)

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