

# T-Series®

## RFID TUNNEL SOLUTION

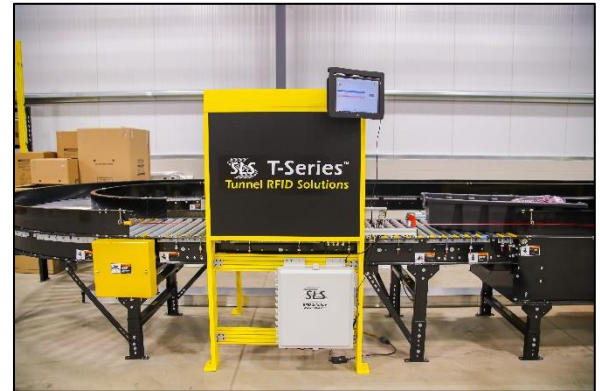


### Optimizing Supply Chains

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

<b>Conveyor Spec</b>	Up to 250 fpm with a minimum box spacing of 18"
<b>Performance Spec</b>	T-Series® is capable of reading up to 250 tags on a conveyor moving up to 200 fpm with a box spacing of 24" (This number will vary based on the product and tags used)
<b>Standard Dimensions</b>	Custom built to fit existing operation Standard Outer: 42"Lx35"Wx64"H Standard Inner: 42"Lx29"Wx30"H
<b>Enclosure Rating</b>	IP68
<b>Housing Material</b>	Polycarbonate
<b>Power Required</b>	AC 110 (Region of Installation Dependent) PoE 802.3af (Qty:1)
<b>Standard Weight</b>	200 lbs
<b>Frequency Band</b>	902 MHz - 928 MHz (FCC) 865 MHz - 868 MHz (ETSI)
<b>Gain</b>	3 dBi
<b>Impedance</b>	50 Ohms
<b>Polarization</b>	Multi-Linear Wave Antennas
<b>Connectors</b>	RPTNC
<b>Protocol</b>	MQTT, TCP/IP, FTP,
<b>Data Output Format</b>	JSON, XML

## Reader Compatibility

<b>Impinj R420</b>	Compatible
<b>Impinj R700</b>	Compatible
<b>Zebra FX9600</b>	Compatible
<b>Zebra FX7500</b>	Compatible
<b>Alien F800</b>	Compatible

## Add On's / Accessories

<b>GPIO</b>	Included
<b>UI</b>	Included*
<b>Scanner</b>	Included*
<b>Enclosure</b>	Included
<b>Protective Equipment (optional)</b>	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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