Hands free UHF RFID scanning

This low profile desktop UHF RFID reader is designed to read and write to EPC Class 1 Generation 2 (ISO 18000-6C) UHF RFID transponders. It is powered by (and communicates via) a standard USB connection, providing a convenient device that can be hosted by any PC. It is designed for operation in either European (ETSI EN 302 208) environments, including Dense Reader Mode Capability or North American FCC environments.

The 1126 Desktop UHF RFID Reader with USB is ideal for Retail Point of Sale, document tracking and access control applications.

An extensive software development kit (SDK) is available for development of customer applications.

Features:

High Performance UHF RFID Reading and Writing
Integrated circularly polarised antenna provides up to 1.5m (5 feet) read range (tag and environment dependent)

Small footprint
Small footprint enclosure – 110mm(w) × 110mm max (l) × 35mm(d)

Usability
Simple USB interface provides both power and communications. Audible and visual indication of successful read.

Configurable power
Programmable RF power control from 1 to 29 dBm (in steps of 1dBm)
**Physical Characteristics**

- **Dimensions (max):** 110mm(w) x 110mm(l) x 35mm(d) (4.3” x 4.3” x 1.4”)
- **Weight:** 175g (6.2 oz.)
- **Enclosure material:** GE Lexan Polycarbonate
- **Colour:** Grey/black
- **Material finish:** Sparked surface
- **User indication:** LEDs for ‘Power Good’ (orange), ‘Read OK’ (green), ‘communication’ (red), Buzzer

**UHF RFID Reader**

- **Frequency:** 865 – 868 MHz (ETSI version)
  902 – 928 MHz (FCC version)
- **RF Power:** 10 - 800 mW (software controlled)
- **Antenna:** Circularly Polarised
- **Read Distance:** Up to 1.5m (5 feet) - (tag dependent)

**Connectivity**

- **Power and data:** Mini USB B connector. Must be connected to a high power port on the host (500mA)

**Drivers:**

Virtual comm. port drivers available for Windows XP/Vista/7, Windows CE 4.2 and above, Linux and Mac OS8.9X

**Environmental**

- **Operating Temp.:** -20°C to +50°C (-4°F to 122°F)
- **Storage Temp.:** -40°C to +60°C (-40°F to 140°F)
- **Humidity:** Up to 90% Relative humidity Non Condensing
- **Drop Spec:** 76.2cm (30 inch) drops to vinyl tiled concrete at room temperature.
- **Sealing:** TBA, conformal coated electronics
- **Electrostatic Discharge (ESD):** +/-12kV air discharge, +/-8kV direct discharge
- **Construction:** RoHS compliant

**Regulatory**

- **Electrical Safety:** TBC
- **EMI/RFI:** TBC

**PART NUMBERS**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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<tbody>
<tr>
<td>1126-01-DTR-UHF</td>
<td>ETSI variant</td>
</tr>
<tr>
<td>1126-02-DTR-UHF</td>
<td>FCC variant</td>
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**WARRANTY**

The TSL 1126 reader is warranted against defects in workmanship and materials for a period of one year (12 months) from date of shipment, provided the product remains unmodified and is operated under normal and proper conditions.
Technology Solutions UK Ltd (TSL®), part of HID Global, is a leading manufacturer of high performance mobile RFID readers used to identify and track products, assets, data or personnel.

For over two decades, TSL® has delivered innovative data capture solutions to Fortune 500 companies around the world using a global network of distributors and system integrators. Specialist in-house teams design all aspects of the finished products and software ecosystems, including electronics, firmware, application development tools, RF design and injection mould tooling.

TSL® is an ISO 9001:2015 certified company.


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