



Homologação  
10282-21-03092



## Features

### High Performance UHF RFID Data Capture

High performance UHF RFID and 2D barcode data capture in one integrated Bluetooth® device

### Hardware & OS Independent

Compatible with iOS, Android™ and Windows operating systems. Operates with a wide variety of Bluetooth® wireless technology enabled host devices including smartphones, tablets, enterprise handhelds, PCs and laptops.

### Flexible Configuration

Interchangeable antennas and grips, with a range of device specific mounts.

## Development

### Free Software Development Kits

A comprehensive set of tools and resources for software development. These SDKs contain everything developers need to rapidly integrate TSL ASCII 2 compatible products into the following software environments: Android (Java), iOS (Objective C), Windows (.NET), Xamarin

### Free Developer Documentation

In addition to user guides, applications, diagnostic tools and firmware downloads, we also offer free application notes covering many topics such as: - Changing EPCs - Configuration via Autorun - Firmware Updates - HID Keyboard Mode - Library Design - RFID Operations - Implementing Tag Finding - App Store Submission - USB Tethered Mode - Using Tag Finder

### About The ASCII 2 Protocol

The unique ASCII 2 protocol is a set of easy-to-use commands and parameters allowing developers to fully harness the power of UHF RFID Readers. The sophisticated, parameterised ASCII 2 protocol provides the developer with a powerful set of commands that carry out multiple actions locally within the UHF RFID reader. This not only speeds integration of the reader into applications, it ultimately results in unparalleled levels of productivity.



The TSL-1128 Bluetooth® UHF RFID Reader is designed to read and write to EPC Class 1 Gen 2 (ISO18000-6C) UHF transponders and communicate with a variety of host devices via Bluetooth® wireless technology. With its Impinj R2000 core and range of interchangeable high performance antennas the TSL-1128 performs like no other reader, giving the user the highest levels of flexibility currently available in today's market. The reader can be configured with class leading high performance 2D data scanning to bring unparalleled data collection capabilities to connected devices.

### Free Demo Apps



#### RFID EXPLORER

RFID Explorer is a dedicated app built to demonstrate the performance, functionality and versatility of UHF RFID Readers, and the powerful ASCII protocol.



#### RFID SCAN SCAN WRITE

Scans UPC-based barcode information and uses it to encode UHF RFID tags (requires SGTIN-96 compliant EPCs).



#### RFID TAG FINDER

RFID Tag Finder will help you locate those hard to find RFID tagged assets, complete with visual and audio indicators.



#### RFID WEB WEDGE

The app enables direct data input from the UHF Reader into existing Web Applications.



Input	Trigger button
Bluetooth	Bluetooth® Version 2.1
Memory	32 GB Micro SD / SDHD Card
Standards supported	EPC Class 1 Gen 2
Nominal read range	Up to 5.5 m
Nominal write range	Up to 2 m (6.5 ft)
Field	150 degrees ahead (approx)
Antenna	Detachable, Circularly Polarized with optional 2D scanner
Frequency radius	UE: 865 - 868 MHz / EUA: 902 - 928 MHz
<b>Electrical</b>	
Battery	Removable, rechargeable 3.7 V, 2400 mAh, 8.9 Wh Lithium Polymer battery pack

<b>Physical</b>	
Dimensions	160 x 77 x 169 mm – Trigger handle 160 x 77 x 97 mm – Slimline grip
Weight	375 g (including battery and trigger handle)
<b>Environmental</b>	
Operating Temperature	-10°C to 40°C (14°F to 104°F)
Load Temperature	5°C to 40°C (41°F to 104°F)
Storage Temperature	Less than 1 month at -20°C to +45°C (-4°F to 113°F) Less than 6 months at -20°C to +35°C (-4°F to 95°F)
Humidity	5% to 85% not condensed
Environmental Sealing	IP54

**Purchase Code:**

 500.945: TSL-1128 UHF Reader | 500.924: TSL-1128 2D UHF Reader |  
 501.197: TSL-1128 2D UHF reader (without source)

**Accessory Purchase Codes:**

 100.579: Fonte BTL | 500.925: Suporte | 500.928: Berço Carregador BLC-4S | 500.927: Bateria de  
 Li-polymer 2000 mAh 3.7V | Consulte: Suporte para Cinto com alça