Technology Solutions (UK) Ltd

Back of Hand RFID Reader with *Bluetooth*® wireless technology

1062 *Bluetooth*® HF RFID & Barcode Hand Scanner

Bluetooth®

Wireless communication

This compact, dual technology HF RFID and laser bar code scanner is battery operated and communicates wirelessly with a host computer via a standard *Bluetooth*® wireless technology interface.

The hand scanner is compatible with devices running Android, Windows XP/Vista/7/8, Windows CE, or Windows Mobile 5/6/6.5 (the host device must have *Bluetooth*® functionality). The *Bluetooth*® wireless technology interface enables the operator to use the scanner up to 100m from the host computer.

The lightweight construction and ergonomic design of the 1062 *Bluetooth*® HF RFID & Barcode Hand Scanner allows dexterity to be maintained in challenging environments, whilst the rugged design of the scanner means that it can withstand multiple drops to concrete of up to 1.5m (5ft).

Dual Scanning Technology

The design incorporates either a 1D laser scanner or a 2D imager for reading barcodes. The combination dual technology scanner also provides the ability to read and write to ISO15693 13.56MHz high frequency smart label transponders.

The charge cradle provides charging for a spare battery pack as well as the main device, and also provides serial communications with a host PC for firmware up-grades and downloading of batch collected data.

The combination scanner is available initially as an Explorer kit which contains the combination scanner, sample ISO15693 13.56 MHz RFID tags, demonstration application, source code and full documentation. SmartWedge software for mobile devices enables easy integration with form based applications supporting most of the commonly used Control characters.

Features:

High Performance Data Capture

Read both laser bar codes and RFID High Frequency tags in one integrated *Bluetooth*® wireless technology device. Available with 1D laser scanner or 2D imager.

Hardware Platform Independence

Operates with wide variety of *Bluetooth*® wireless technology enabled host devices including touchscreen MP3 players, phones, tablets, Enterprise Handhelds and PC's.

OS Independence

Operates with Windows Mobile, WinCE, Windows XP, 7, 8, Blackberry, Android.

All day performance

High capacity internal rechargeable Li-Poly battery provides up to 30 hrs usage on a single charge (reading bar codes every 4 seconds). Replaceable high capacity Li-Poly battery pack.

TSL 1062 Specifications

Physical Characteristics

Dimensions:	92×48×50 mm (3.6×1.9×2.0 inches)
Weight:	92g (3.25 oz)
Enclosure material:	PC/TPR
Colour:	Grey/black
Material finish:	Sparked surface with moulded shock protectors
Battery Capacity:	1350mAh

HF RFID Reader

Frequency:	13.56MHz
Read Distance:	Max 5cm (2 inches) using ISO7810 size credit card format transponders
HF Transponder type supported	ISO15693 compliant tags

Scanner/Imager

Bar code engine :	1D Laser scanner or 2D imager
Operational time per single battery charge (at ambient temp.)	Approx 20 hrs laser scanning every 15s
	Approx 8 hrs imager scanning every 15s

Environmental

Operating Temp.:	-20°C to +50°C (-4°F to 122°F)
Storage Temp.:	-30°C to +60°C (-22°F to 140°F)
Charging Temp:	0°C to +45°C (32°F to 113 °F)
Humidity:	5% to 90% Relative humidity Non Condensing
Drop Spec:	Multiple drops to concrete from 5ft
Sealing:	IP54

Regulatory

EMI/RFI:	EN 300 330, EN 301 489, CE, FCC

Part Numbers

1062-01-BT-HSCAN-SET	1D Laser Scanner with HF RFID Support
1062-03-BT-HSCAN-SET	2D Imager with HF RFID support

Warranty

The TSL 1062 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.

About TSL

TSL designs and manufactures both standard and custom embedded, snap on and standalone peripherals for handheld computer terminals. Embedded technologies include:

RFID - Low Frequency, High Frequency & UHF
Bluetooth® wireless technology
Contact Smartcard
Fingerprint Biometrics
1D and 2D Barcode Scanning
Magnetic Card Readers
OCR-B and ePassport

Utilizing class leading Industrial design, TSL develops products from concept through to high volume manufacture for Blue Chip companies around the world. Using the above technologies TSL develops innovative products in a timely and cost effective manner for a broad range of handheld devices.

Contact TSL

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