


RFID Wireless Bluetooth Handheld Reader

+ *Features and benefits:*

- ✓ Bluetooth handheld RFID reader powered via high capacity internal rechargeable Li-Ion battery
- ✓ Wireless compatibility with common Bluetooth platforms for operation with Pocket PC and Windows systems
- ✓ Two models available:
 - I. low frequency (LF) Texas Instruments tags including Read-only (R/O), Read-write (R/W) and optionally Digital Signature Transponder (DST) - 134kHz
 - II. high frequency (HF) industry standard ISO 15693 smart labels, Texas Instruments Tag-it™ and Philips ICODE II ISO15693 – 13.56 MHz
- ✓ Very small footprint enclosure - 56x41x21 mm
- ✓ Optional Intrinsically Safe version ATEX  II 2 G, EEx ib IIC T4 (-20°C <T_{amb} <50°C)
- ✓ Support for other 13.56 MHz tags available as an upgradeable option
- ✓ Software development kit (SDK) available for development of customer application
- ✓ Replaceable battery compartment
- ✓ Field upgradeable firmware
- ✓ On-board power/read tag switch
- ✓ LED's for battery condition/charge status and Bluetooth link status
- ✓ Ergonomic design to fit in hand
- ✓ Option for a finger mount to allow use on the back of the hand for complete dexterity



Standard LF Bluetooth PUK Reader:

1017-01-BT-LF-ST

Standard HF Bluetooth PUK Reader:


1020-01-BT-HF-ST

ATEX Approved LF Bluetooth PUK Reader:

ATEX-1017-01-BT-LF-IS

ATEX Approved HF Bluetooth PUK Reader:

ATEX-1020-01-BT-HF-IS

- + This compact, handheld RFID Wireless Bluetooth reader is battery operated and communicates wirelessly with a host computer via a standard Bluetooth interface. The host computer may be either a Pocket PC or a desktop PC. The Bluetooth interface enables the operator to gather transponder data and communicate at a distance of up to 10m from the host computer.
- + On board status LEDs and a power/read switch incorporated into the design. The Bluetooth reader provides the ability to read and write to either 134kHz low frequency transponders or alternatively ISO15693 13.56MHz high frequency transponders.
- + The reader is also available for use in Intrinsically Safe environments - ATEX  II 2 G. Available as an Explorer kit which comes complete with the RFID reader, sample RFID tags, demonstration application, source code and full documentation.

Operating Frequencies	134.2kHz or 13.56MHz
Operating Temperature	-25°C to +50°C
Storage Temperature	-30°C to +45°C
Relative Humidity	5% to 90% RH Non Condensing
Dimensions	56x41x21 mm
Weight	51g
Enclosure material	Conductive polymer
Approvals	EN 300 330, EN 301 489
LF Transponder types supported	134.2kHz TIRIS
HF Transponder types supported	<ul style="list-style-type: none"> ✓ ISO15693 compliant ✓ Texas Instruments Tag-It ✓ Philips I-CODE II ✓ My-ID ✓ Inside Technologies Picotag
ATEX (IS versions of product)	II 2 G
CENELEC (IS versions of product)	EEx ib IIC T4 (-20°C <Tamb <50°C)
Environmental rating	IP57
Typical LF Read range	Max 6cm using 32mm glass transponder
Typical HF Read range	Max 5cm using ISO7810 size credit card format transponders.



+ About TSL

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

- GPS
- RFID – Low Frequency, High Frequency and UHF
- GPRS/GSM
- IrDA
- Contact Smartcard
- Fingerprint Biometrics
- 1D and 2D Barcode Scanning
- Bluetooth
- 802.11 WiFi
- 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.

Telephone: +44 (0)1509 238248
Fax: +44 (0)1509 220020

Postal Address:
Technology Solutions (UK) Limited,
Suite C, Loughborough Technology Centre,
Epinal Way,
Loughborough,
Leicestershire,
LE11 3GE.
United Kingdom.

Email: enquiries@tsl.uk.com



Technology Solutions (UK) Limited reserves the right to change its products, specifications and services at any time without notice.
Technology Solutions (UK) Limited provides customer assistance in various technical areas, but does not have full access to data concerning the uses and applications of any customers products. Therefore, Technology Solutions (UK) Limited assumes no responsibility for customer product design or for infringement of patents and/or the rights of third parties, which may result from assistance provided by Technology Solutions (UK) Limited.

Rev 2.6 - 14 May 08