

## Tri-Band Reader for Motorola™ PPT88xx Terminal

### + **Features and benefits:**

- ✓ Ergonomically designed pistol grip RFID reader for the Motorola PPT8800 series terminal
- ✓ Motorola™ PPT8800 retains full laser bar code functionality and wireless LAN (with PPT8846)
- ✓ RFID reader is powered from the host terminal
- ✓ Tri Band - operates at all three RFID frequency bands (125kHz, 134 kHz and 13.56 MHz)
- ✓ Low frequency (LF) Electronic Marin (EM) tags – 125 kHz
- ✓ Low frequency (LF) Texas Instruments tags including Read-only (R/O), Read-write (R/W) and optionally Digital Signature Transponder (DST) - 134kHz
- ✓ High frequency (HF) industry standard ISO 15693 smart labels including Texas Instruments Tag-it™ and Philips ICODE II ISO15693 – 13.56 MHz
- ✓ Software development kit (SDK) available for development of custom applications
- ✓ Compatible with all communication variants of industry standard Motorola 8800 series computers running Pocket PC 2003 and using a standard capacity battery
- ✓ Customer installable assembly - easily removed from handheld
- ✓ Compatible with existing Motorola™ docking/charging cradle



**PART NO.**  
**1021-TBR-88xx**

- + The Tri-band reader for the PPT8800 (Pocket PC 2003 versions) attaches to the terminal using a standard pistol grip accessory. The reader provides the Motorola™ PPT8800 with tri-band RFID functionality. The pistol grip reader is powered from the Motorola™ terminal and houses both the RFID reader and the forward facing antennas. The Motorola™ PPT8800 retains the original laser bar code functionality as well as the original communications platform housed within the terminal. The data output from the RFID reader may be simply incorporated into a Pocket PC application using the Software Development Kit (SDK). The pistol grip RFID reader provides the ability to read and write to a wide variety of transponders at all three of the common frequency bands used in RFID (125kHz, 134 kHz and 13.56 MHz). Operation at all three RFID frequency bands provides the user with the opportunity to invest in RFID equipment that is compatible with all main frequency bands.
- + Available as an Explorer kit which contains the reader, sample RFID tags, a Software Development Kit (which includes a demonstration application, the source code for that application and full reader documentation)

|                                |   |
|--------------------------------|---|
| Operating frequencies          | 121kHz to 134.2kHz and 13.56MHz   |
| Operating Temperature          | -20°C to +55°C  |
| Storage Temperature            | -40°C to +85°C  |
| Relative Humidity              | 5% to 90% RH Non Condensing   |
| Dimensions                     | 185x90x150mm  |
| Weight                         | 275g  |
| Approvals                      | EN 300 330, EN 301 489, CE marked   |
| LF Transponder types supported | EM 125kHz (nominal) AM transponders using Manchester data encoding at RF/32 to RF/64.<br>134.2kHz TIRIS – R/O, R/W and optional DST types   |
| HF Transponder types supported | <ul style="list-style-type: none"> <li>✓ ISO15693 compliant</li> <li>✓ Texas Instruments Tag-It</li> <li>✓ Philips I-CODE II</li> <li>✓ My-ID</li> <li>✓ Inside Technologies Picotag</li> </ul> |
| Typical LF Read range          | Up to 8cm using ISO7810 size credit card format transponders.   |
| Typical HF Read range          | Up to 8cm 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](mailto:enquiries@tsl.uk.com)



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