



Padl-R UF

PRELIMINARY

Handheld RFID (GEN2) Reader

862-955 MHz

Bluetooth and USB

Issue 01

The **Padl-R** RFID reader is a lightweight medium range UHF reader designed specifically for operations such as inventory taking, tag data collection and exception handling for business processes, stock management and logistics operations.

The product is packaged in a lightweight (135 gms) ergonomically styled case which can be used in stand alone (data logging) mode or wirelessly connected to a handheld computer, smart-phone, desktop, laptop or cellular phone.

Bluetooth connectivity makes it a perfect retrofit option for businesses wanting to advance their investment in handheld technology and provides a simple migration path from bar code systems.

Alternatively the product features a plug and play USB interface allowing for tagged items being read in proximity.

It features a highly configurable user interface, enabling a variety of user modes such as push to read, remote triggering or always on operation. The product is frequency selectable across the globally allocated spectrum for UHF RFID and shipped according to regional regulatory requirements.

The Padl-R comes with application tools for out of the box operation using Tracients RFIDWedge software (allows seamless communication with common office applications such as Microsoft Word and Excel), plus file formats such as tagged xml and plain ascii text for simple barcode type scanwedge emulation.

The Padl-R UF RFID Discovery Kit is the best way to trial this product for suitability to your business processes. The kit includes: a reader, paper tags, software, plus access to our professional services for business process engineering and aftermarket support.





Features and Applications:

- Designed for handheld use, ergonomic styling.
- Anti-collision.
- Dense Reader Mode.
- Compatible with ISO 18000-6A, ISO 18000-6B, ISO 18000-6C, EPC Class 0, EPC Class 1 (GEN2), and UHF Proprietary tags.
- Full Read/Write Functionality for compatible tags.
- Lightweight portable proximity reader powered by rechargeable Lithium-Ion Battery.
- **Wireless Bluetooth** connection to handheld computer, smart-phone, desktop, laptop or cellular phone.
- **USB** connection for configuration, power supply and battery recharge, "always on" operation.
- **RFIDWedge** software supplied allowing out of the box operation of the RFID reader with Word, Excel, Pocket Word and Pocket Excel or direct integration into your Software application.
- **RFID Sync** software for downloading logged data.
- **TraceConnect™ SDK** (Software Development Kit) available for Windows OS, Linux, Windows Mobile (WinCE .NET) application development.
- Available with ActiveX controls for Microsoft Windows thin client and browser based applications.
- Easy configuration via PC based configuration tools for application specific uses.
- Ideal for the following applications: asset management, supply chain logistics, apparel manufacture, stock taking and inventory control, work in progress exception handling.

Technical Data

Size	210mm (h) x 70mm (w) x 15 mm (d) (approx.)
Weight	135 grams (approx.)
Operating temperature / storage temperature	-10 to +60° C
Ingress Protection Approvals	IEC 529 IP64 CE, C-Tick, FCC, IC (Canada) plus full European (ETSI) compliance including EN302-208 (listen before talk)
Drop specification	1m to plywood on concrete, all faces and corners.
User Interface	Single button for RFID reading, Multi-colour Leds, Audio beeper (multi tone).Configurable use case scenarios via USB or Bluetooth.
UHF Transponder	ISO 18000-6A, ISO 18000-6B, ISO 18000-6C, EPC Class 0, EPC Class 1 (GEN2).
Approximate read range	1.5m
Frequency range	862 – 955 MHz
Data rate	
Maximum O/P Power	0.5 W
Power control range	3 mW - 0.5W (+5dBm - +27dBm)
Power control resolution	1dB
Bluetooth Interface	Class 2 (typically 10m operation).
Antenna	Internal only
Additional Data communication Interface	USB – mini-B connector for wired applications
Power Supply	Via USB for high-capacity internal Li-Ion battery recharge
Firmware support	Field upgradeable via USB. Some configuration settings also available via Bluetooth interface.

PadI-R UF Bundles



PadI-R UF 862 - 955 MHz RFID Reader



PadI-R UF SDK

Accessories



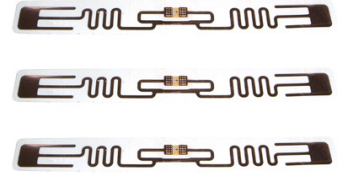
Retractable Keychain



Protective Rubber Boot



Lanyards and Handstraps



RFID Gen2 Tags



Car Charger



USB Cable



Mains Adaptor (NZ)



Universal Mains Adaptor

Note: supplied items may vary slightly from pictures shown

Part Ordering Information

Padl-R UF-KIT	Padl-R UF RFID Reader
Padl-R UF-SDK	Padl-R UF RFID Reader Discovery Kit
TA-0001	Protective Rubber Boot for Padl-R UF
TA-0002	USB A-MiniB Cable 1.5m
TA-0003	Neck Lanyard
TA-0004	Wrist Strap
TA-0005	Retractable Keychain
TA-0006	USB ac Adapter (NZ)
TA-0007	USB Vehicle Charger
TA-0008	Universal USB Charger Kit
TG-0005	Tag : Paper Label Gen 2

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