



PadI-R UF

862 - 955 MHz (GEN2) RFID Reader

– Bluetooth Handheld and USB plug and play

Issue 02

The **PadI-R UF** RFID reader is a lightweight medium range UHF RFID Reader capable of operating with ISO 18000-6b or c tags (EPC GEN2).

The Reader was designed especially for operations such as inventory taking, tag data collection in exception handling for business processes, stock management or logistics operations.

The product is packaged in a very lightweight (135 gms) ergonomically styled case which can be used in a 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 that want to add value to their investment in handheld technology and provide a simple migration path from bar code systems.

Alternatively the product features a plug and play USB interface allows for static mounting on a wall or counter for tagged items to be read in proximity.

It features a highly configurable user interface to enable a variety of business models 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 product is shipped with application tools for out of the box operation using Tracients RFIDWedge software common office applications, file formats such as tagged xml and plain ascii text for simple barcode type scanwedge emulation

Our PadI-R UF RFID Discovery kit includes: a reader, paper tags, software, plus access to our professional services for business process engineering and aftermarket support.





Features and Applications:

- n Designed for handheld, countertop or wall mounted use, ergonomic styling
- n Anti-collision
- n Dense Reader Mode
- n Compatible with ISO 18000-6A, ISO 18000-6B, ISO 18000-6C, EPC Class 0, EPC Class 1 (GEN2), and UHF Proprietary tags.
- n Full Read/Write Functionality for compatible tags
- n Lightweight portable proximity reader powered by rechargeable Lithium-Ion Battery
- n Wireless **Bluetooth** connection to Windows, PocketPC, WinCE.NET PDA Software development kit available or other operating systems on request
- n **RFIDWedge** Software supplied allowing no programming integration of the RFID reader with many applications including Word, Excel, Pocket Word and Pocket Excel or direct integration into your Software application
- n **TraceConnect™ SDK** (Software Development Kit) available for Windows OS, Windows Mobile (WinCE) application development plus Java API for Cell-phone use.
- n Available with ActiveX controls for Microsoft Windows thin client and browser based applications.
- n **USB** connection for configuration, power supply and battery recharge, "always on" wall mount operation
- n Easy configuration via PC based configuration tools for application specific uses.
- n Ideal for applications including: 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, EN302 208, EN301 489, EN 60950
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), and UHF Proprietary

Approximate read range	1.5m (typically, depends on transponder)
Data rate	~40kbps (EPC C1G2), ~80 kbps (ISO 18000-6C)
O/P Power	0.5 W
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



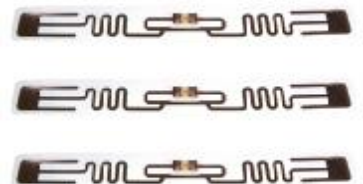
Retractable Keychain



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

*Tracient Ltd. standard terms and conditions of sale apply to all purchases
All product specifications subject to change without notice.
All product and company names are trademarks or registered trademarks of their respective holders.*