

Xerafy Mobile Reader - *Intelligent data capture and management*

Xerafy Mobile Reader is designed to provide the most accurate, cost-efficient alternative to the manual and inefficient inventory management procedures.



Main Features

- **High Performance Bluetooth® Multi-modal Data Capture**
UHF RFID and 2D barcode data capture in one integrated Bluetooth® device.
- **Batch Data Collection**
Removable high capacity Micro SD data card and real time clock for extended batch data collection independent of host connection. Fits seemingly in your supply chain workflow.
- **Hardware Platform Independence**
Operates with wide variety of Bluetooth® wireless technology enabled host devices including touchscreen MP3 players, smartphones, laptops, tablets, Enterprise Handhelds and PC's.
- **Long Battery Life**
Battery offers up to 8.4 watt hours of wireless autonomy

Application

- UDI-compliant item-level automatic traceability
- Field-proven deployments with Manufacturers and Suppliers
- Faster & reliable counting of tagged items
- High speed counting and tracking of RFID tagged assets for efficient inventory management
- Automatic Detection of misplaced RFID tagged items
- ROI-driven design and implementation approach, expertise in IoT and passive UHF RFID
- Ecosystem of Industrial and Technology leaders

About Xerafy

At Xerafy we deliver innovative and comprehensive RFID products and solutions for your supply chain, logistics, material handling and inventory tracking application supported by proactive management and services. Our mission is to support industry standards and streamline management process, enabling clients to track, locate and manage in real time. Xerafy is headquartered in Singapore with offices in the U.S., U.K., Singapore and China.

Physical and Environmental Characteristics

Dimensions(LxWxH)	380 g / 13.4 oz (including battery & trigger handle)
Weight	16.0 cm x 7.7 cm x 16.9 cm
Power	Removable, rechargeable 4.2 volt Lithium Polymer 2200 mAh battery pack, 8.4 watt hrs
Enclosure materials	Polycarbonate
Temperatures	Operating: -4°F to 140°F / -20°C to 60°C Charging: 41°F to 104°F / 5°C to 40°C Storage: -40°F to 158°F / -40°C to 70°C
Humidity	5% to 95% non-condensing
User Input	Trigger
User Feedback	Speaker, vibration motor, LED
Drop Specifications	Multiple drops to concrete: 4 ft./1.2 m ambient, 3ft / 0.9m across the operating temperature range
Tumble	500 0.5 metre tumbles at room temperature (1,000 cycles)
Environmental Sealing	IP54
RFID	EPC Class 1 Gen 2 Nominal read range: up to 13 ft. /up to 4m Field: 150-degree forward facing (approx.) measured from front of device Antenna: Detachable, Circularly Polarized with optional 2D scanner

Performance Characteristics

RFID engine	TSL custom module with embedded Impinj R2000
Communication	
Protocols	TSL ABC (Parameterised ASCII command set) Impinj binary
Memory	Supports up to 32 GB Micro SD/SDHD CARD
Compatible Host devices (Bluetooth®):	Android, iOS, Windows CE, Windows Phone 8, Windows Mobile 5/6.1/6.5or Windows XP/Vista/7. Host device must have Bluetooth® wireless technology functionality
Compatible Host devices (USB):	Any USB host with FTDI VCP driver support (Windows, Linux, Mac, Android)

Bluetooth® Wireless Technology

Bluetooth®	Bluetooth® Version 2.1 SPP and Apple iApp - or - Bluetooth® HID (configurable)
Bluetooth® Class	Class 2
Bluetooth® Range4	10m
Bluetooth® pairing	PIN, Simple Secure Pairing, NFC OOB Pairing

RFID Performance

Standards Supported	EPC Class 1 Gen 2
Nominal Read Range	Up to 13 ft. /up to 4m
Nominal Write Range	Up to 4 ft./ up to 1.22 m
Field	150-degree forward facing (approx.) measured from front of device
Antenna	Detachable, Circularly Polarized with optional 2D scanner
Frequency Range	EU: 865-868MHz; US: 902-928MHz
Output Power	10mW to 800mW
Antenna options	High Performance CP High Performance CP with 2D Imager Custom antennas available

Peripherals and Accessories

External Interface	MicroUSB connector for battery charging and USB connectivity
USB Operating Modes	Tethered for real time data capture in conjunction with SmartWedge software Download of stored scan data
Optional Desktop Charger	TSL 1136 4-Slot battery charger
Other Accessories	Adapter mounts for a variety of smartphones, handheld terminals and touchscreen MP3 players Slimline Grip, Trigger Handle

Regulatory

General	Approved for use in the US, Canada, Europe, China, Singapore, Taiwan, Korea and Australia
Electrical Safety	Certified to UL60950-1, CSA C22.2 No.60950-1, IEC 60950-1, EN 60950-1
EMI/RFI	USA: FCC Part 15 Canada: ICES 003 Class B EU: EN 301 489-3, EN 301 489-1, EN 301489-17, EN 302-208, EN55022 Class B, EN55024
Laser Safety	IEC Class2/FDA Class II in accordance with IEC60825-1/EN60825-1, 21CFR1040.10

