

EXARK XK – 510 RFID READER

UHF RFID SWING READER



The EXARK XK-510 ID Hand is a robust, simple to use UHF passive RFID handheld data collection device with stylish design and incredible performance. It delivers superior UHF reading and writing, barcode scanning, transmits data to the data center via Bluetooth with ease. XK-510 ID Hand is specifically designed for RFID Applications in Retail Stores including cycle counts, good receiving and tag commissioning.



Bluetooth



1D Barcode



2D Barcode



UHF

FEATURES

- Supports Apple iOS® and Google Android® via Smart Device
- Enables LTE and 802.11 ac/ad via Smart Device
- ETSI 865.6–867.6 MHz or FCC/IC 902–928 MHz
- 2D imager supporting all major 1D / 2D barcodes
- 1.77-inch Display, 128 x 160
- SDK
- Robust Quadlock™ physical smart device Connection
- Bluetooth Low Energy communications to Smart Device
- 5200mAh Powerful Battery
- Bluetooth 4.0, BLE
- Fast RFID tag capture in various environments
- High performance battery for full shift operation

FEATURES

DESCRIPTION

Standards

ISO 18000-63 (EPC Class 1 Gen2v2)
AES authentication in accordance with ISO/IEC 29167-10 supported

Frequency

ETSI 865.6–867.6 MHz or FCC/IC 902–928 MHz

RF Power

ERP 2W/EIRP 3.3W

Antenna features

Software controlled antenna modes :circular and proximity
Nominal reading distance:
circular polarization mode 10m/13 ft, proximity mode, read range down to 1 cm/0.4 inch

Long battery life

Double-capacity single battery 8000 mAh
Low power electronics
Up to 72 hours of intensive use

Robust Design

Dust and water ingress protection (IP68)
Solid drop tested design (1.5m/4,9ft)
Quadlock® robust in-built Display



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PHYSICAL CHARACTERISTICS

Dimensions	282x117.5x32mm / 11.10x4.63x1.26in
Weight	334g/11.78oz (with battery)
Display	1.77 inch, 128X160
Indicator LED	Power, Work, Bluetooth
Power	Double-Capacity single battery 8000mAh - Standby: over 70 hours , Continuous use: over 6 hours
Buzzer	Support

PERFORMANCE

MCU	Cortex-M3 - 72MHz
Storage	50000 Tags
Bluetooth	Bluetooth 4.0, BLE

USER ENVIRONMENT

Operating Temp.	-20 C to 50 C
Storage Temp.	-40 C to +70 C
Humidity	5%RH - 95%RH non condensing

DEVELOPING ENVIRONMENT

Tool	Android Studio / Xcode
SDK	EXARK Software Development Kit
Language	Java

UHF

Antenna	Linear Polarized antenna (4dBi)
Engine	CM2000-1 module based on Impinj Indy R2000
Protocol	EPC C1 GEN2 / ISO18000-6C

DATA COLLECTION

2D Imager Scanner	SE2707
1D Symbologies	UPC/EAN, Code128, Code39, Code93, Code11, Discrete 2 of 5, Codabar, MSI, RSS, etc.
2D Symbologies	PDF417, MicroPDF417, Composite, RSS, TLC39, Datamatrix, QR code, Micro QR code, Aztec, MaxiCode; Postal Codes: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX), etc

ACCESSORIES



AC Adaptor



USB Cable

