

EXARK XK - 650 HANDHELD READER

ULTRA LONG RANGE RFID HANDHELD READER



The EXARK XK-650 is a robust, simple to use UHF passive RFID Handheld designed for all day intensive use. The handheld characteristics provides the flexibility to use your preferred operating system type/version while enabling access to the latest generation in communications infrastructure without being tied more slowly evolving monolithic device.



FEATURES

- Supports Google Android® via Smart Device
- Enables LTE and 802.11ac/ad via Smart Device
- ETSI 865.6–867.6 MHz or FCC/IC 902–928 MHz
- 2D imager supporting all major 1D / 2D barcodes
- Ergonomic 320 g / 11.3 oz
- Robust Quadlock™ physical smart device Connection
- Bluetooth Low Energy communications to Smart Device
- Camera with Flash | GPS
- Memory 2 GB RAM / 16 GB ROM
- 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
Operating System and Network diagnostics	Use Android 6.0 (marshmallow) Use LTE of next gen 5G services Use latest WiFi 802.11ac, ad etc



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PHYSICAL CHARACTERISTICS

Dimensions	164.2 x 80.0 x 24.3mm / 6.46 x 3.15 x 0.96in
Weight	654g / 23.07oz
Display	5.2" IPS FHD 1920x1080
Touch Panel	Gorilla Glass, multi-touch pane
Power	Li-ion, rechargeable, 8000mAh - Standby: over 500 hours , Continuous use: over 12 hours
Audio	Speaker, 2 microphones

PERFORMANCE

CPU	Cortex-A53 Quad-core 1.3GHz
RAM+ROM	2GB+16GB
Expansion	Supports up to 32 GB Micro SD card

USER ENVIRONMENT

Operating Temp.	-4 F to 122F / -20 C to 50 C
Storage Temp.	-40 F to 158 F / -40 C to 70 C
Humidity	5%RH - 95%RH non condensing

DEVELOPING ENVIRONMENT

Operating System	Android 6.0 Marshmallow
SDK	EXARK Software Development Kit
Language	Java

COMMUNICATION & CAMERA

WLAN	IEEE802.11 a/b/g/n, 2.4G/5G dual-band, internal antenna
Bluetooth	Bluetooth 4.0, BLE
GNSS	GPS/AGPS, GLONASS, BeiDou; internal antenna
Camera	13MP Autofocus with flash

ACCESSORIES



Cradle



AC Adaptor



USB Cable

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