



3730E

RFID Rugged Handheld Terminal

15m Read Range | 6700mAh with Hot-swap Battery | IMPINJ R2000



The 3730E is an omnidirectional 15M-read-range RFID terminal that reads 750 tags+ per second to let associates quickly access data when managing stock. With the sophisticated IMPINJ R2000 embedded chip, gaining clear visibility of assets and location is never a troublesome task. And there's no need to turn off the device or stop the App from running. Your associates can still hot-swap 6700mAh battery on continuous work. An ultra-powerful RFID reader with resistance to dust and water and withstanding 1.8m drop is your best fit for warehousing, field service, and transportation & logistics.

Ultra-powerful RFID Reader to Boost Efficiency

The best-in-class RFID reader is designed for the extended reading range up to 15 meters, offering data in real-time and facilitating better traceability of the product. The highly-sensitive chip, IMPINJ R2000, can read multiple UHF tags simultaneously and further accelerate the entire shipping and goods validation process. Maximum 36 EIRP dBm power reads most RFID tags like EPC Global Class 1 Gen 2 and ISO 18000-6C compliant within the global frequency range between 865MHz and 928MHz (US/EU/-JP/TW/CN). On the logistics cycle, the 3730E reader keeps the process going faster and on time.

Continuous Work with Fast Read Rate

Driving up productivity with more tag reads per second, 3730E performs at least 750 reads to undertake high-volume data on the site of a large distribution center. It eliminates the manual work to check parcels on loading pallets and saves precious time to end-user delivery. The 6700mAh battery runs operation up a whole day to handle a packed schedule and can be easily swapped to proceed 24/7 working.

Advanced Connectivity for Instant Feedback

The 4-inch display provides more readability to view instant feedback while reading tags. The screen is easy to view indoors and outside, even in bright sunlight. Either connected with Bluetooth® 5.1 or a WIFI network, 3730E allows users to quickly check misplaced or missing items on integrated Apps, such as access. It's an easy-to-aim device that provides clear audible, tactile, and visual feedback on each read.

Enterprised-level protection

With a balanced and ergonomic gun grip design, 3730E fits comfortably in your hand with a push-to-talk trigger and releases the strain on a long working shift. While it's designed to be sleek, the reader is durable enough for field service teams that maintain infrastructure or logistics teams that carry on the parcel to our community. The IP65 enterprise-level protection against water and dust supports our everyday life workers with a rugged yet trustworthy tool.

Features

- Industry-leading 15M RFID read range.
- High sensitivity and optimum chip: IMPINJ R2000
- Swappable smart battery with lasting 6700mAh capacity
- Support Hot Swap function, keeps applications active up to 1 minute
- Wi-Fi Dual Antenna, 2X2 MU-MIMO supported.
- Perform 750+ tag reads per second
- Maximum EIRP of 36 dBm.
- Integrated various WIFI connections: IEEE 802.11a/b/g/n, 802.11ax-ready, 802.11ac Wave 2 with 2X2 MU-MIMO WLAN Standard
- Wirelessly connect with Bluetooth® 5.1
- Ultra-sensitive 4" display touch screen
- Balanced, ergonomic, and robust gun grip design.
- Enterprise-durable protection with IP65 protect and 1.8m drop to concrete





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Specifications

Operation System

OS: Android 10 with GMS
CPU: Qcta-core 2.3 GHz, Qualcomm 720G (SM7125)
Memory: 4GB RAM / 64GB Flash
Languages support: Multi-languages

Display

Screen Size: 4" TFT-LCD WVGA (480x800) color screen (400 nits)
Touchpanel: Ultra-sensitive capacitive touch screen, compatible with gloves and support wet resistance

Camera

Rear 13 MP Autofocus with flash

Keypad

Function Numeric (38 key) with backlight

Indicator

LED, Speaker, Vibrator

Power Source

Main battery: 6,700mAh, 3.7V

Symbologies

2D Barcodes: N6703
N3603 / EX30 (optional)

RFID

UHF: EPC Class1 Gen2 V2; ISO-18000-6C
865-928MHz
(Specific regional and country settings supported upon country selection)

UHF RFID Performance / Interface

Reading Distance: 15 m
Tag Read Rate: 750+ tags/sec
EIRP: 36 dBm

Communication

Bluetooth®: Bluetooth® 5.1
WLAN: 802.11a/b/g/n, 802.11ax-ready, 802.11ac Wave 2
(Dual Antenna, 2X2 MU-MIMO support)

Enclosure

Dimension: 203 x 82.2 x 164.3 mm
Weight: 750 g

Environmental

Operating temperature: -20°C to +50°C
Storage temperature: -30°C to 70°C (without battery)
Charging Temperature: 0°C to 45°C
Relative Humidity: 5% ~ 95% (non-condensing)
Electrostatic Discharge: +/-15kV air discharge
+/-8kV contact discharge
Drop Specification: 1.8 m
Sealing: IP65

