MEFERI



MS300R

Ultimate Ring Scanner

MS300R: Wear the Future with Hands-Free Scanning

Instant NFC Pairing with ME10

Experience seamless integration with the NFC OneTouch Easy Pair feature, instantly linking the MS300R to the MEFERI ME10 Wearable Computer. Boosted with Bluetooth 5.0, it promises efficient connections and diverse Bluetooth profile support.

Versatile Scanning Modules with Extended Reach

The MS300R, leveraging Intelligent Capture technology, ensures swift recognition of 1D & 2D barcodes. With Zebra's PRZM optics, it excels in scanning even worn or dirty barcodes. Especially with the Zebra SE55, distances up to 15 meters are within reach.

Scanner Button Flexibility & Glove Integration

The MS300R features a unique, removable scan button for left & right-hand use. For added versatility, integrate it with a glove that has its own scan function, optimizing diverse scanning needs.

Robust Build & Performance

The MS300R ensures the scanner module's glass is well protected with its special frame. With an impressive 1250mAh battery, it guarantees more than 24 hours of usage.

- Long Range
- NFC OneTouch Easy Pair
- 1000mAh/1250mAh
- O.S. Linux
- CPU Qualcomm

Main Features

Operating System

Linux-based; optimized for low-latency operations; secure and robust for industrial use.

Processor

Qualcomm QCC3034 Dual-Core 120MHz; High-performance processing for real-time scanning and data processing tasks.

Memory

RAM 256KB / 4MB Flash; sufficient for dedicated device functions and scanning applications

Barcode Scanner

Zebra SE4107, SE4750MR, SE4750SR, SE55; Newland EM3596, N1. Ultra-fast 1D/2D barcode scanning; handles printed, electronic, damaged, and dirty codes.

NFC

13.56MHz; ISO/IEC 15693; supports Tag mode for efficient data exchange.

Wireless PAN (WPAN)

BT 5.0 BR/EDR + BLE; supports three modes: HID, SPP, BLE, GATT, enhancing connectivity options for scanning control and data transfer.

Voice & Audio

Customizable alerts, 2700Hz resonant frequency, up to 85 dBA at 10 cm for clear scan confirmations.

Buttons

Removable and replaceable scan trigger button; configurable for left or right-handed use; supports seamless integration with glove-mounted operation.

Connections & Interfaces

USB 2.0 High-Speed (Client only) and Pogo Pin interface for reliable data transfer and charging; designed for durability and compatibility with industrial workflows.

Power

Removable 1000mAh standard battery (1.5 hours charge time) or 1250mAh extended battery (2 hours charge time) with over 24 hours runtime. Both batteries are designed for quick replacement to ensure continuous operation. Supports USB 2.0 Client and Pogo Pin charging.

Seal & Ruggedness

IP65 (dust and splash-resistant); 5 ft / 1.5 m multiple drops to concrete over operating temp; withstands 1000 hits (repeated tumbles from 1.6 ft / 0.5 m).

User Environment

Operating Temp
-10°C to 50°C, 14°F to 122°F
Humidity
5% to 95% non-condensing

Dimensions (L×W×H)

With standard battery:
69 × 35.6 × 23.5 mm
2.72 × 1.4 × 0.93 in
With extended battery:
69 × 35.6 × 26.5 mm
2.72 × 1.4 × 1.04 in

Weight

76.5 g / 2.7 oz (with 1000mAh battery)
83.2 g / 2.93 oz (with 1250mAh battery)

Standard Accessories

Power Adapter (plugs: EU, CN, US, GB); Standard Battery (1000mAh); Removable Scan Trigger Button; Finger Strap (Velcro); USB-C Cable.

Optional Accessories

Extended Battery (1250mAh); Wearable Gloves with Scan Button (for left-handed); Wearable Gloves with Scan Button (for right-handed); Wearable Gloves with Scan Button Gen2 (for right-handed); 4-Slot Battery Charger; 10-Slot Battery Charger; 20-Slot Battery Charger; Thumb Scan Trigger Button; Wrist Strap; Retractable Neck Lanyard Strap; Retractable Belt Tether; Bluetooth Dongle; USB to RS-232 Interface Cable.

Learn More About MS300R

Discover the MS300R Ultimate Scanner Ring, the hands-free solution for seamless scanning, extended reach, and unmatched efficiency in any work environment. Enhance productivity with advanced scanning performance.

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*All specifications and designs are subject to change without further notice.