

The MS650 wearable ring scanner is an ultra-light compact Bluetooth barcode scanner, allowing you to wear it on a finger to keep both hands free for easy movement scanning. This ring scanner can read 1D barcodes and it is designed to streamline the workflow for a wide range of applications such as warehouse, logistics, retail and inventory management.

Gaining freedom of movement and improving efficiency.

The MS650 wearable ring scanner enables its operator to move products, packages, materials and proceed with their barcode reading tasks more efficiently, safely and comfortably.

Compact design for mobile operators

Whether you prefer left or right-handed operation, the advanced ergonomic and lightweight design (20.5g) of the MS650, provides unrivalled freedom of movement to perform barcode scanning tasks, comfortably while keeping both hands free.

It's all in the touch! The MS650 is designed with a dual touch-2-activate trigger button to activate the barcode reading. Whether you are wearing the MS650 left- or right-handed, just motion the touch-2-activate trigger button to read the barcode you wish to scan. A great feature to enhance control and flexibility, while increasing the operator satisfaction during multi-tasking.

On-Screen Barcode Readability

Featuring the high-speed decoder, paired with an aggressive scan engine, the MS650 reads 1D barcodes and offers accurate barcode capture of either on-screen (LCD), or printed barcodes. To ensure accurate aim at barcodes, the MS650 is equipped with a thin sharp class-1 laser aim.

Data Protection Accountability

With the Bluetooth® HID interface of wireless Bluetooth® 4.1 technology, the MS650 is easy to pair with a smartphones and tablets (including iOS or Android system) without complex setting. The MS650 offers user the ability to operate around the clock productivity, during an entire busy 8-hour work shift.

Flexible wireless connections and operations

The MS650 is versatile with the advantage of conducting flexible data collection operations of both on-line wireless mode and off-line memory (Batch) mode, including multiple communication interfaces (BT HID/ USB HID/ USB VCP).

Features:

- Lightweight (only 20.5g) and unique wearable ring design Comfortable Hands-free operation.
- Flexible design: Dual touch-2-activate trigger button (for left- and right-handed operation)
- Hands-free scanning with cordless freedom of movement
- Easily to pair to smartphone and tablets (Windows, iOS and Android devices) via Bluetooth® 4.1 / Class 2
- Aggressive scan engine Reads off 1D barcodes from screens
- Rugged and durable design (IP42 and 1.5m drops)
- Full shift battery life Up to 8 hours





Operational & Performance

equipped with a thin laser aim.

Linear Image Sensor Sensor Scan Rate 400 Scans/Sec Resolution 4mil/ 0.1mm

Scan Angle 41° 30% Print Contrast Ratio

Light Source Red Laser beam with

enhanced white LED 130mm (13Mil Code39)

Width of Field

Memory

Stores up to 150.000 barcodes / EAN-13 barcodes. (Storage depends on

barcode length).

Enclosure

Scanner Dimension W29 x L46.5 x H27 mm Scanner Weight 20.5g (including Velcro strap) Color: Color: -Top housing: Blue

- Bottom housing: Black

Surface: -Top housing: Glossy

- Bottom housing: Matte

PC+ABS Material Cable

1.5M (Micro USB Cable) Trigger

Dual touch-2-activate trigger button (Capacitive sensor *2 for left and

right buttons)

Indicator LED, Buzzer

Reading distance (DOF)

(Environment: 800 lux)

Label / DOF near far Code 39, 4mil 50mm 70mm Code 39, 5mil 45mm 95mm Code 39, 10mil 190mm 40mm Code 39, 15mil 55mm 265mm UPC/EAN, 13mil 50mm 225mm

Environmental

Operating Temperature 0°C to 50°C Storage Temperature -20°C to 65°C Humidity 95% non-condensing

Drop Durability 1.5M IP42 Sealing

Ambient Light 70,000 Lux (Sunlight)

Symbologies

1D:

UPC-A/UPC-E, EAN-8/EAN-13, Industrial 2 of 5, Codabar, Matrix 2 of 5, Code 11, Code 93, Code 32, Code 128, Standard Code 39, Full ASCII Code 39, Interleaved 2 of 5, China Postal Code, MSI Plessy Code, UK Plessy Code, EAN/UCC 128, Telepen Code, IATA Code, GS1

Databar

Connectivity

Radio BT 4.1 (Class 2)

Range > 10 m (line-of-sight at open space) Interface/ Profile Bluetooth HID (HID Keyboard Device)

USB HID (HID Keyboard Device) USB VCP (Virtual COM Device) Batch Mode (Mass Storage Device)

Power Source

Operation Voltage $3.7VDC \pm 5\%$ Working Current < 85mA < 45mA Standby Current Power Down Current (Sleep Mode) < 200uA 3.7V, 250mAh, Battery

Li-Polymer Battery 6000 scans

(per full charge) (1 scan/ 5 secs, BT connected)

Regulatory approvals

FSD Functional after 4KV contact, 8KV Air discharge **EMC** CE, FCC, BSMI, NCC, TELEC, VCCI Safety Approval WEEE, RoHS 2.0, IEC 60825-1

arranty coverage before expiration if the defect is found due to

Unitech Europe

Number of Scan

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• Email: Info@eu.ute.com

• Website: http://www.eu.ute.com







Unitech Taiwan

Unitech America Unitech Asia Pacific Unitech Europe Unitech Japan

* General warranty: Unitech reserves the right to call back the defect units at her discrete sole d f Unitech may find it necessarily. Upon the calling, the returning

shipping cost will be borne by Unitech except tax and duty if any. Unitech has full decision to stop abused, sabotage, and/or caused by the acts of God Specifications subject to change without note. * NO Hassle Warranty: In case of defect during its valid warranty period, customer can simply region portal. Unitech's logistic partner or service centre will send a replacement unit to the customer. The the defect symptom and serial number of the unit at Unitech stomer does not need to return the defect unit*