

WR15

Wearable ring scanner with added Bluetooth Classic support in the WR10 model



Product Spec

- Supports Bluetooth 5.3 with Classic version
- Zero-Second Boot
- Lightweight
- 1000mAh High-Capacity Battery
- 2D Scanner / Smart Focus
- Magnetic One-Touch Battery

The WR15 is an industrial wearable ring scanner that inherits the ultra-lightweight design and outstanding durability of the WR10. Worn comfortably like a ring on the finger, it minimizes operator fatigue even during long shifts.

With both 2D Imager and Smart Focus barcode scanner options, it delivers optimized scanning performance for various user environments.

Powered by a 1000mAh high-capacity battery and Bluetooth 5.3 low-energy technology, the WR15 ensures extended operating time. The addition of Bluetooth Classic support provides broad compatibility with a wide range of peripheral devices, enabling stable data transmission and multi-device connectivity.

The Zero-Second Boot feature guarantees seamless operation without downtime, while Tap-to-Pair, Scan-to-Pair, and NFC pairing options make connection quick and effortless.

Smart battery notifications, safe power management, and intelligent charging functions offer reliable and worry-free usability in demanding industrial environments.

Bluetooth 5.3 with Classic Support

With Bluetooth Classic compatibility, the WR15 ensures broad connectivity with various peripheral devices, delivering stable data transmission and multi-device pairing for seamless operation.

Hands-Free Solution for Faster Workflow

Designed to be worn either as a ring on the finger or mounted on the back of the hand with a glove, the WR15 keeps both hands free, enabling quick and effortless scanning during tasks. This reduces unnecessary worker movement and processing time, ultimately improving overall productivity.

Flexible Scanner Options

Offering both 2D Imager (SE4107, E4770) and Smart Focus (SE5500) scanner options, the WR15 delivers precise and reliable barcode scanning performance across a variety of industrial environments.

Zero-Second Boot for Instant Readiness

The scanner activates immediately upon powering on, eliminating the need to wait for boot-up or loading.

This ensures uninterrupted workflow with no downtime caused by startup delays.

Fast and Easy Pairing via NFC Technology

With Tap-to-Pair, Scan-to-Pair, and NFC functions, the WR15 allows instant device connection with just one touch - no complex setup required.

Intelligent Management Features

Equipped with smart battery notifications, secure power control, and intelligent charging technology, the WR15 communicates its real-time status through three RGB LEDs, sound (beeper), and vibration. These indicators help users easily monitor device conditions for optimal operation

Specification

Physical Characteristics	
Dimensions	70.7 x 33 x 22.1mm
Weight	Scanner only: 29g, Scanner+Battery: 55g, Scanner+Battery+Trigger+HandStrap: 70g
Network Connections	Bluetooth 5.3 core specification Bluetooth classic (BDR/EDR) & Bluetooth low energy (BLE)
Notification	3 RGB LEDs located, Beeper, Vibrator
Buttons	Pairing, Scanner Button
Pairing	NFC; Tap to pair
Scan Triggering	Manual ambidextrous trigger
Performance Characteristics	
Power	1,000mAh
User Environment	
Operating Temp	-20°C to 50°C (-4°F to 122°F)
Storage Temp	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 90% RH (Non-condensing)
Drop Test	1.8m
Tumble Test	0.5m/2,000 times
Sealing	IP65
Vibration	Sine 5-2000Hz, 4g peak, 1 hour per axis; Random 20-2000Hz, 6g RMS or 0.04g2/Hz, 1 hour per axis
Electrostatic Discharge (ESD)	+/- 15kV air, +/-8kV contact discharge, +/- 8kV indirect contact discharge

Data Capture	
Scanning	2D Imager (SE4107, E4770) Long Range (SE5500)
Optical Resolution	SE4107: 1280 x 960 pixels, E4770: 1280 x 800 pixels / SE5500: 2688 x 1520 pixels
Skew, Pitch & Roll	SE4107, SE5500 : Skew tolerance: 60 / Pitch tolerance: 60 / Roll tolerance: 360 E4770 : Skew tolerance: 55 / Pitch tolerance: 55 / Roll tolerance: 360
Aiming Element	SE4107: 610nm LED, E4770:650nm Laser diode / SE5500: 515nm Laser
FOV	SE4107 - Horizontal: 44.5, Vertical: 33.5 E4770 - Diagonal: 48, Level: 42, Vertical: 30 SE5500 - Horizontal: 37, Vertical: 21.4
NFC	NFC(13.56MHz)
Regulatory	
EMI/EMC	EN 301-489-1; EN301-489-17; EN 61000-3-2; EN 61000-3-3
EN 62368-1	EN 62368-1
EN 62479	EN 62479
Cyber Security	EN 62368-1
KC CE EAC	
Environmental Compliance	
RoHS Directive 2011/65/EU	

CS Center Contact Information

Service Center

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Accessories

(Appearance can be changed.)



Glove

WR15-GLOV-GRS

WR15-GLOV-GLS



Ring Trigger

WR10-TRIG-S00



3-Slot Battery Charger

WR10-03BC-C00



8-Slot Battery Charger

WR10-08BC-C00



32-Slot Battery Charger

WR10-32BC-U00

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