Newland AIDC
SCANNING MADE SIMPLE

WD1 II Watch Scanner

Wearables

1.2m drop | 2.8" screen | 3,300 mAh | 4G | Android 13 | Bluetooth 5.0

Camera | GPS | IP67 | Ndevor | Touchscreen | USB-C

Warranty 2 Years | WIFI Dual Band

Features

Lightweight and User-friendly
The WD1 II watch scanner packs all the latest hardware in a modern design. It compacts an Android 13.0 OS into a light and durable device and a 2.8" capacitive touch screen. The scanner has a customizable side button and shortcuts for different functions making the WD1 II convenient and user-friendly. Designed as any conventional smartwatch, the WD1 II is familiar to use, simplifying staff training and making performing tasks more intuitive.

Effortless Hands-Free Scanning
When paired with WD2, WD1 II provides a hands-free solution that allows you to scan the items while simultaneously performing other physical tasks. This not only ensures ease of use but also increases overall productivity.

Strong Connection
WD1 II is equipped with Bluetooth 5.0 and WiFi (802.11 a/b/g/n/ac, 2.4 GHz and 5GHz), which both ensure fast and steady connection during data transmission and processing.

Premium Durability and Versatility
The WD1 II is built to withstand dusty environments and inevitable bumps and drops. With an IP67 rating and highly protective Corning glass, the WD1 II endures up to 1.2m drops. At the same time, WD1 II can resist both hot and cold temperatures, operating under conditions from -20°C up to 50°C. This makes it usable in almost any work environment.

Exceptional Performance
Armed with a high-performing octa-core processor and 3/32GB memory, the WD1 II allows the user to smoothly perform the tasks and handle large amounts of captured data. The 3300mAh battery ensures up to 12 hours of utilization without workflow disruptions.

2 Years Full Warranty | Ndevor NEWLAND SOFTWARE | SOTI MOBICONTROL | Ivanti Validated

TECHNICAL SPECIFICATIONS

WD1 II Watch Scanner

Performance

Current Operating System	Android 13, GMS
Memory Flash	32GB

Memory RAM	3GB
Processor	2.0 GHz octa-core, 64-bit

Physical

Audio	Speaker, Dual microphone, Noise reduction
Battery Type	Lithium-ion polymer battery: 3.8 V, 3300 mAh (non-removable)
Buttons	Power key/lock screen key, user-defined key
Dimensions	Dial plate: 77mm × 56mm; Dial plate thickness: 17.8mm
Display/Touch Panel	2.8" (640 × 480), brightness: 460 nits, Capacitive touchscreen, Gorilla glass
Interfaces	USB-C, 2 pogo pins
Keypad	2 keys
Notifications	LED, Speaker, Vibration
Rear camera	13 MP, LED flash, Auto focus, Torch mode, Barcode scanning
Sensors	Angular Velocity sensor, Geomagnetic sensor, Acceleration sensor, Air pressure sensor
SIM/TF	Nano SIM*1
Weight	146 g

Wireless

GPS	Beidou, GLONASS, Galileo, GPS (AGPS)
WLAN RADIO	IEEE 802.11 a/b/g/n/ac, 2.4GHz and 5GHz
WPAN RADIO	Bluetooth 5.0
WWAN RADIO	2G: GSM: 900/1800MHz 3G: WCDMA: (B1,B8) 4G: TD-LTE: (B34,B38,B40); FDD-LTE: (B1, B3, B7, B8, B20,B28 a&b)

Environmental

Drop	1.2m drops to concrete (for six sides, one drop per side)
Electro Static Discharge (ESD)	±6 kV (direct discharge), ±10 kV (air discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP67
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)

Software

Android Roadmap	https://www.newland-id.com/en/support/android-roadmap-for-newland-devices/
Configuration Tools	Ndevor
MDM (certified)	Ndevor, SOTI
Terminal Emulation (compatible)	StayLinked, Ivanti Velocity

Warranty

Comprehensive Service Contract	3 Years, 5 Years
Warranty Extension	+1 Year, +3 Years
Warranty Standard	2 Years

Accessories

Accessories Optional	Multiplug adapter, Charging cradle, Fast charging power adapter, Screen protector, Arm sleeve, Silicone watch strap, Velcro watch strap

Accessories Standard	USB-C cable, Multiplug adapter, Wrist holster

What's in the box?

NLS-WD1-W4-V2	WD1 II Watch Scanner, Wrist band, USB-C cable, Multiplug adapter

Accessories

Charging/Power	AD60-D-M Power Supply with Multiplug Adapter (AD60-D-M) ADP710 Power Supply for Mobile Computers (ADP710)
Base Stations	NLS-WCD10-1C Charging Cradle for WD1 (NLS-WCD10-1C)
Nwear Accessories	Sleeve-Arm-10 Arm Sleeve for WD1 (Sleeve-Arm-10) Strap-SI-01 Watch Strap for WD1 (Strap-SI-01) Strap-VE-10 Strap for WD1 (Strap-VE-10)
Protection & Handling	SPWD1 Glass Screen Protector for WD1 (SPWD1)

Newland AIDC EMEA
SCANNING MADE SIMPLE

Newland AIDC EMEA
Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

Specifications are subject to change without notice
© Newland AIDC EMEA 2026 - All rights reserved