# Newland
## SCANNING MADE SIMPLE

| | |
|---|---|
| **1D & 2D** | **Android 11** |
| **AER** | **Duo Near & Far** |
| **IP65** | **Megapixel** |
| **GMS** | **Laser aimer** |
| **4.0" screen** | **Touchscreen** |
| **USB-C** | **5100 mAh** |
| **Micro SD** | **Camera** |
| **1.8M drop** | **4G** |
| **Bluetooth 5.0** | **WIFI Dual Band** |
| **NFC** | **GPS** |
| **GPRS** | **Ndevor** |
| **Acuscan** | **Warranty 2 Years** |

**android enterprise recommended**

## N7 Cachalot Pro II
### Mobile Computers

# Features

## Business-Class Durability

Built to withstand dusty environments and inevitable bumps and drops, the N7 Cachalot Pro II offers an IP65 rating and has been drop-tested up to 1.8m, ensuring a long lifetime in harsh environments.

## The Keys to Unlocking Applications

The N7 Cachalot Pro is designed to allow tailoring to many different applications for which a physical keyboard is still preferred. It offers the flexibility to choose between a 29, 38 and 47 keypad option (not including side scan buttons). Each of the three configurations are back-lit for high visibility in dark work environments.

## Megapixel Barcode Scanning - Duo Near & Far*

The N7 Cachalot Pro II is available with advanced Duo Near & Far scanning technology. Newland's Duo Near & Far combines two 2D scan engines working side by side to select and decode barcodes at both near and far distances. By using two separate scan engines, the N7 Cachalot Pro II can seamlessly switch between them based on the distance of the barcode, resulting in faster scanning and improved productivity.

*also available as standard range only model*

## Rugged Touchscreen Mobile Computer

The 4" HD screen has high transparency and low reflectivity to give crystal clear images, even in sunlight. The touchscreen responds when wearing gloves and maintains sensitivity even when wet. For added protection, Gorilla Glass 3 makes the N7 Cachalot Pro II tougher and more damage resistant, making the device the perfect companion in rough environments.

## Reliable All-day Use with Hot-Swappable Battery

The N7 Cachalot Pro II supports fast charging with its 5100mAh hot-swappable battery. This keeps your program running and your WiFi connected, even when taking the battery fully out to exchange it with a new one. The single cradle is designed to link to up to 3 additional cradles (4 in total), to limit the number of power outlets needed to charge units.

## Android Enterprise Recommended

The N7 Cachalot Pro II carries Google's AER seal of approval, signaling it keeps pace with performance and security upgrades to its operating system and core functionality. This label, in combination with Newland's free MDM Ndevor, enables clients to maintain secure visibility and control over their devices regardless of location.

# Suggested industries

| Industrial | Logistics | Manufacturing | Transportation | Warehousing |
|---|---|---|---|---|

## Data Capture

| | |
|---|---|
| 1D | All major 1D symbologies |
| 2D | All major 2D symbologies |
| Image Sensor | 1280x800 CMOS |
| Illumination | White LED (625±10nm) |
| Aiming | Laser diode |
| Scan Modes | Trigger Mode, Sense Mode |
| Scan Rate | 60 frames per second |
| Depth of Field EAN 13 (13mil) | SR: 40-480mm; Duo Near & Far: 20-180cm |
| Depth of Field Code 39 (5mil) | SR: 80-350mm |
| Depth of Field Code 39 (10mil) | SR: 50-575mm; Duo Near & Far: 20-140cm |
| Depth of Field Code 39 (55mil) | Duo Near & Far: 40-430cm |
| Depth of Field Code 39 (100mil) | Duo Near & Far: 50-600cm |
| Depth of Field Code 128 (3mil) | SR: 100-180mm |
| Depth of Field Code 128 (10mil) | SR: 60-480mm |
| Depth of Field Code128 (15mil) | Duo Near & Far: 75-2600mm |
| Depth of Field Code128 (100mil) | Duo Near & Far: 440-9800mm |
| Depth of Field PDF417 (10mil) | SR: 60-320mm |
| Depth of Field DataMatrix (10mil) | Duo Near & Far: 105-310mm |
| Depth of Field DataMatrix (15mil) | SR: 55-355mm |
| Depth of Field DataMatrix (55mil) | Duo Near & Far: 190-3900mm |
| Depth of Field QR (10mil) | Duo Near & Far: 110-250mm |
| Depth of Field QR (15mil) | SR: 50-400mm |
| Depth of Field QR (55mil) | Duo Near & Far: 195-3700mm |

## Performance

| | |
|---|---|
| Operating System | Android 11 - GMS, Android Enterprise Recommended (AER) |
| Processor | Mediatek G85 2 GHz Octa-Core Processor |
| Memory RAM | 4GB |
| Memory Flash | 64GB |
| Memory Storage Expansion (max.) | Micro SD/TF card (max. 128 GB) |

## Physical

| | |
|---|---|
| Dimensions (mm) | 200(H) x 70(W) x 29(0) mm (pistol grip 58mm) |
| Weight | 360g (including battery) |
| Display | 4.0" WVGA I PS screen with Gorilla Glass, resolution 480x800, supports input with gloves |
| Keypad | 29, 38 or 47 physical buttons, white backlight function |
| Buttons | Two scan buttons (left/right), three touch navigation keys |
| Interfaces | Quick charging (QC) 3.0, Type-C port, 9V/2A |
| Battery Type | 3.8V, 5100 mAh, removable |

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| Expected Battery Life | Scanning:> 15 hours of continuous operations; standby: 500 hours |
| Notifications | Vibrator, speaker, and mulit-color LED |
| Power Supply Input | AC 100~240V, 50~60Hz |
| Power Supply Output | Type-C 5V/3A,9V/2A,12V/1.5A |
| Sensors | Gravity Sensor, Hall Switch |
| Expansion Slot | MicroSD card (max. 128GB) |
| Camera | 13 Megapixels, PDAF, with LED flashlight |
| SIM (4G configurations only) | Nano+Nano or Nano+TF |

## Environmental

| | |
|---|---|
| Operating Temperature | -20°C to 55°C |
| Storage Temperature | -40°C to 70°C |
| Humidity | 5% to 95% (non-condensing) |
| Electro Static Discharge (ESD) | ±8 KV (direct discharge); ±15 KV (air discharge) |
| Drop | 1.8m |
| IP Rating | IP65 |

## Wireless

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|---|---|
| WWAN Radio (4G configurations only) | 2G: GSM: 850/900/1800/1900MHz; 3G: WCDMA: BI/B2/BS/B7/B8/ B20/B28a&b, CDMA lx/EVDO: BCO; 4G: FDD-LTE: BI/B2/B3/BS/B7/B8/B20/B28a&b, TDD-LTE; B34/B38/B39/B40/B41 (100M) |
| WLAN RADIO | 802.11 a/b/g/n/ac, compatible with 11 d/h/i/k/r/v/w, support 2.4G and 5G dual frequency; Roaming: Super Fast Roaming |
| WPAN RADIO | Dual mode, Bluetooth 5.0+LE (backward compatible) |
| RFID | NFC: 13.36MHz IS014443A/B, MI FARE, Felica, NFC Forum Tags |
| GPS (4G configurations only) | Beidou, Galileo, GLONASS, GPS (AGPS) |

## Accessories

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|---|---|
| Standard | Hand strap, USB cable, battery and multi-plug adapter (supports fast charging) |
| Optional | Single cradle, pistol Grip, 4-slot battery charger, screen protection film |

## Software

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|---|---|
| MDM (certified) | Ndevor, SOTI, Airwatch |
| Terminal Emulation (compatible) | StayLinked, Ivanti Velocity |
| Configuration Tools | Ndevor |

## Certifications

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|---|---|
| Hardware | CE-RED, FCC, BIS, RoHS2.0, REACH, AER, SOTI, UN38.3, IEC62471; Laser Safety: IEC60825 |

## Warranty

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|---|---|
| Standard | 2 years |

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