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Mobile Computers

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|---|---|--|--|---|---|
|  1.8m drop |  1D & 2D |  4.0" screen |  4G |  5,100 mAh |  Acuscan (SR only) |
|  AER |  Android 13 |  Bluetooth 5.0 |  Camera |  DUO Near & Far |  GMS |
|  GPRS |  GPS |  Hot swappable battery |  IP65 |  Laser aimer |  Megapixel |
|  Micro SD |  Ndevor |  NFC |  Touchscreen |  USB-C |  Warranty 2 Years |


WiFi Dual Band



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 II 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 backlit 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.



TECHNICAL SPECIFICATIONS

N7 Cachalot Pro II**Data Capture**

| | |
|-----------------------------------|--|
| 1D | All major 1D symbologies |
| 2D | All major 2D symbologies |
| Aiming | Laser diode |
| Depth of Field Code 128 (100mil) | Duo Near & Far: 440mm - 9800mm |
| Depth of Field Code 128 (10mil) | SR: 60 mm - 480 mm |
| Depth of Field Code 128 (15mil) | Duo Near & Far: 75 mm - 2600 mm |
| Depth of Field Code 128 (3mil) | SR: 100 mm - 180 mm |
| Depth of Field Code 39 (100mil) | Duo Near & Far: 50 cm - 600 cm |
| Depth of Field Code 39 (10mil) | SR: 50 mm - 575 mm; Duo Near & Far: 20 cm - 140 cm |
| Depth of Field Code 39 (55mil) | Duo Near & Far: 40 mm - 430 cm |
| Depth of Field Code 39 (5mil) | SR: 80 mm - 350 mm |
| Depth of Field DataMatrix (10mil) | Duo Near & Far: 105 mm - 310 mm |
| Depth of Field DataMatrix (15mil) | SR: 55 mm - 355 mm |
| Depth of Field DataMatrix (55mil) | Duo Near & Far: 190 mm - 3900 mm |
| Depth of Field EAN 13 (13mil) | SR: 40 mm - 480 mm; Duo Near & Far: 20 cm - 180 cm |
| Depth of Field PDF417 (10mil) | SR: 60 mm - 320 mm |
| Depth of Field QR (10mil) | Duo Near & Far: 110 mm - 250 mm |
| Depth of Field QR (15mil) | SR: 50 mm - 400 mm |
| Depth of Field QR (55mil) | Duo Near & Far: 195 mm - 3700 mm |
| Illumination | White LED (625±10nm) |
| Image Sensor | 1280 x 800 CMOS |
| Scan Modes | Trigger Mode |
| Scan Rate | 60 frames per second |

Performance

| | |
|---------------------------------|---|
| Current Operating System | Android 13, GMS, Android Enterprise Recommended (AER) |
| Memory Flash | 64GB |
| Memory RAM | 4GB |
| Memory Storage Expansion (max.) | Micro SD/TF card (max. 128 GB) |
| Processor | 2.0 GHz octa-core |

Physical

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|-----------------------|--|
| Battery Type | 3.8 V, 5100 mAh, Removable |
| Buttons | Two scan buttons (left/right), three touch navigation keys |
| Dimensions | 200(W) x 70(D) x 29(H) mm |
| Display/Touch Panel | 4.0" WVGA (800 x 480), brightness: 480 nits, Gorilla glass, Supports input with gloves |
| Expansion Slot | MicroSD card (max. 128GB) |
| Expected Battery Life | Scanning: > 15 hours of continuous operations; standby: 500 hours |
| Keypad | 29 keys, 38 keys, 47 keys |
| Notifications | Speaker, Vibration, Multi-color LEDs |
| Power Supply Input | AC 100 to 240 V (50 to 60 Hz) |
| Power Supply Output | Type-C 5 V/3 A, 9 V/2 A, 12 V/1.5 A |
| Rear camera | 13 MP, LED flash, Auto focus |
| Sensors | Gravity Sensor, Hall switch |
| SIM/TF | Nano+Nano or Nano+TF |
| Touch Panel | Gorilla glass, Supports input with gloves |
| Weight | 360 g (including battery) |

Wireless

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|------------|---|
| GPS | Beidou, GLONASS, Galileo, GPS (AGPS) |
| RFID | NFC: 13.56MHz ISO14443A/B, MI FARE, Felica, NFC Forum Tags (not supported with pistol grip configuration) |
| WLAN RADIO | IEEE 802.11 a/b/g/n/ac, compatible with 11 d/h/i/k/r/v/w, support 2.4GHz and 5GHz dual frequency; Roaming: Super Fast Roaming |
| WPAN RADIO | Dual mode, Bluetooth 5.0 BLE (backward compatible) |
| WWAN RADIO | 2G: GSM: 850/900/1800/1900MHz; 3G: WCDMA: B1/B2/B5/B7/B8/ B20/B28a&b, CDMA 1x/EVDO: BCO; 4G: FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B28a&b, TDD-LTE: B38/B39/B40/B41 (100M) |

Environmental

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|--------------------------------|--|
| Drop | 1.8 m |
| Electro Static Discharge (ESD) | ±8 kV (direct discharge), ±15 kV (air discharge) |
| Humidity | 5% to 95% (non-condensing) |
| IP Rating | IP65 |
| Operating Temperature | -20°C to 55°C (-4°F to 131°F) |
| Storage Temperature | -40°C to 70°C (-40°F to 158°F) |

Software

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

Certifications

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|-------------------------|--|
| Certifications Hardware | REACH, SOTI, FCC, RoHS 2.0, UN38.3, CE RED, IEC 60825, IEC 62471, AER, BIS |
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Warranty

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

Accessories

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|----------------------|--|
| Accessories Optional | USB-C cable, Multiplug adapter, 4-slot battery charger, Charging cradle, Fast charging power adapter, Pistol grip, Battery, Screen protector, Cig-plug adapter, Holster, Hand strap, Charging and communication cradle |
| Accessories Standard | USB-C cable, Battery, Multiplug adapter |

What's in the box?

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|--------------|---|
| All versions | N7 Cachalot Pro II, USB cable, Hand Strap, Screen protector, Battery, Multiplug adapter |
|--------------|---|

Accessories

Charging/Power

AD60-D-M Power Supply with Multiplug Adapter (AD60-D-M)
ADP710 Power Supply for Mobile Computers (ADP710)
BTY-N7 Battery for N7 (BTY-N7)
NLS-CDN7-4B 4-slot Battery Charger for N7 (NLS-CDN7-4B)
NLS-CPA-UNIV Cig-Plug Adapter (NLS-CPA-UNIV)

Cables

CBL-TC-N7 USB to USB-C Cable (CBL-TC-N7)

Protection & Handling

HS106 Holster for MT67, MT90, MT93, and N7 (HS106)
HS115 Holster for N7 and MT90 (HS115)
SPN7 HYBRID Screen Protector Film for N7 (SPN7 HYBRID)
ST-MT65/90 Elastic Hand Strap for N7 (ST-MT65/90)

Base Stations

NLS-CDN7-C-HIGHV Charging Cradle for N7 (NLS-CDN7-C-HIGHV)
NLS-CDN7-C-LOWV Charging and Communication Cradle for N7 (NLS-CDN7-C-LOWV)

Peripherals

NLS-PGN7-02 Pistol Grip for N7 (NLS-PGN7-02)



Newland AIDC EMEA

Feel free to contact us or a partner near you.

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Specifications are subject to change without notice

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