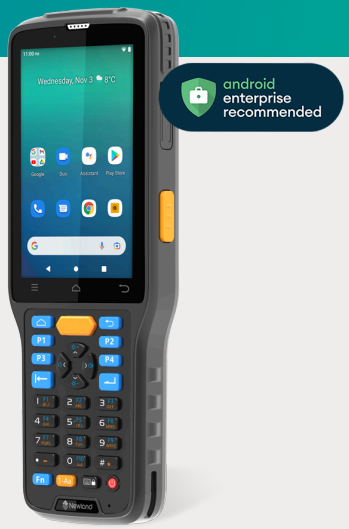
Newland AIDC
SCANNING MADE SIMPLE

N7 Cachalot Pro II

Mobile Computers





1.8m drop | 1D & 2D | 4.0" screen | 4G | 5,100 mAh | Acuscan (SR only)

AER | Android 13 | Bluetooth 5.0 | Camera | Dual-Band Wi-Fi | DUO Near & Far

GMS | GPRS | GPS | Hot-Swappable Battery | IP65 | Laser Aimer

Megapixel | Micro SD | Ndevor | NFC | Touchscreen | USB-C

Warranty 2 Years

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 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.

2 Years Full Warranty

Ndevor NEWLAND SOFTWARE

SOTI MOBICONTROL

42GEARS CERTIFIED

Ivanti Validated

Google GMS

android enterprise recommended

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	Support for Android 13 and 15.
Memory Flash	64GB
Memory RAM	4GB
Memory Storage Expansion (max.)	Micro SD/TF card (max. 128 GB)
Processor	2.0 GHz octa-core

Physical

Battery Removability	Yes
Battery Type	3.8 V, 5100 mAh lithium-ion
Battery Weight	83 g
Buttons	Two scan buttons (left/right), three touch navigation keys
Camera: Rear	13 MP, LED flash, Auto focus
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, Multi-color LEDs, Vibration
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
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

GPS	Beidou, Galileo, GLONASS, GPS (AGPS)
RFID	NFC: 13.56MHz IS014443A/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 lx/EVDO: BCO; 4G: FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B28a&b, TDD-LTE: B38/B39/B40/B41 (100M)

Environmental

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

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	
Certifications Hardware	CE RED, RoHS 2.0, IEC 60825, FCC, BIS, REACH, AER, SOTI, UN38.3, IEC 62471
Warranty	
Comprehensive Service Contract	3 Years, 5 Years
Warranty Extension	+1 Year, +3 Years
Warranty Standard	2 Years
Accessories	
Accessories Optional	Charging cradle, 4-slot battery charger, Pistol grip, Battery, Multiplug adapter, Fast charging power adapter, Cig-plug adapter, Screen protector, USB-C cable, Holster, Hand strap, Charging and communication cradle
Accessories Standard	USB-C cable, Multiplug adapter, Battery
What's in the box?	
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, MT93, and N7 (HS106) HS115 Holster for N7 (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)

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

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