Newland
SCANNING MADE SIMPLE

1D & 2D | Android 10 | AER | IP65 | Megapixel | GMS

Laser aimer | 4.0" screen | Touchscreen | USB-C | 5100 mAh | Micro SD

Camera | 1.8M drop | 4G | WIFI Dual Band | Bluetooth 4.2 | NFC

GPS | GPRS | Ndevor | Acuscan | Warranty 2 Years

N7 Cachalot Pro

Mobile Computers

Features

Newland's best screen technology.
The 4" HD screen has a 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 tougher and more damage resistant, making the device the perfect companion in rough environments.

Android Enterprise Recommended (AER).
The N7 Cachalot Pro 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.

Fast charging, high-capacity and hot-swappable battery.
The N7 Cachalot Pro supports fast charging for its 5100mAh battery and is hot-swappable. This keeps your program running and your wifi connected, even when taking the battery fully out to exchange it with a new one.

Near and far scanning, acuscan and multi-read mode
The N7 Cachalot Pro offers a choice of megapixel 2D scan engine. The Standard-range version with acuscan provides standard, accurate scanning on codes close-up or smaller items. Alternatively, the Mid-range version is capable of reading codes on boxes and pallets from further away. Both scanners offer Newland's multi-read mode.

Daisy chain charging.
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.

The keys to unlock 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.

Seen and heard.
The applications most suited to the N7 Cachalot Pro are often in noisy environments. To accommodate for this, sound notifications can be adjusted to reach up to 90 decibels. When sound is not wanted, or instead, enough on its own, the device has vibration and a LED color feedback.

Suggested industries

Logistics | Manufacturing | Warehousing

N7 Cachalot Pro Technical specifications

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; MR: 130-705mm
Depth of Field Code 39 (5mil)	SR: 80-350mm; MR: 200-575mm
Depth of Field PDF417 (6.67mil)	SR: 60-320mm; MR: 175-550mm
Depth of Field DataMatrix (10mil)	SR: 55-355mm; MR: 185-520mm
Depth of Field QR (15mil)	SR: 50-400mm; MR: 195-550mm
Performance	
Operating System	Android 10 - GMS, Android Enterprise Recommended (AER)
Processor	Qualcomm Snapdragon 1.8GHz main frequency
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
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 9V/2A,15V/l.2A
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℃ to 55℃

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

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Specifications are subject to change without notice

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N7 Cachalot Pro Technical specifications

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	
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; 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 4.2+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	
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	
MDM (certified)	Ndevor, SOTI, Airwatch
Terminal Emulation (compatible)	StayLinked, Ivanti Velocity
Configuration Tools	Ndevor
Certifications	
Hardware	CE-RED, FCC, BIS, RoHS2.0, REACH, AER, SOTI, UN38.3, IEC62471; Laser Safety: IEC60825
Warranty	
Standard	2 years

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