



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.

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.



Application Scenarios



N7 Cachalot Pro technical specifications

Performance	Operating System	Android 10, with GMS, Android Enterprise Recommended (AER)	
	Processor	Qualcomm Snapdragon 1.8GHz main frequency	
	Memory RAM	WiFi-only: 3GB 4G: 4GB	
	Memory Flash	WiFi-only: 32GB 4G: 64GB	
	Memory Storage Expansion (Max.)	Micro SD/TF card (max. 128 GB)	
	Depth of Field EAN13 (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 Data Matrix (10mil)	SR: 55-355mm; MR: 185-520mm	
	Depth of Field QR (15mil)	SR: 50-400mm; MR: 195-550mm	
	Data capture	1D	All major 1D symbologies, including Code128, Code 49, Code 16K, (GS1128) UCC/EAN-128, AIM-128, EAN-8, EAN-13, UPC-E, UPC-A, ITF, ITF 6, ITF 14, Matrix 2 of 5, Industrial 25, Standard 2 of 5, Code39, ISSN, ISBN, Codabar, Code93, Code 11, Plessey, MSI Plessey, RSS.
		2D	All major 2D symbologies, including Aztec, Composite, CS Code, Maxicode, Micro PDF, Micro QR, PDF 417, QR Code, DataMatrix, DotCode.
	Physical	Dimensions (mm)	200(H) x 70(W) x 29(D) mm (pistol grip 58mm)
Weight		360g (including battery)	
Display		4.0" WVGA IPS screen with Gorilla Glass, resolution 480x800, support with gloves or water touch	
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 battery	
Expected Battery Life		Scanning: > 15 hours of continuous operations; standby: 500 hours	
Notifications		Vibrator, speaker, and multi-color LED	
Power Supply Input		AC 100~240V,50~60Hz	
Power Supply Output		Type-C 9V/2A,15V/1.2A	
Sensors		Gravity Sensor; Hall Switch	
Expansion Slot		MicroSD/TF card (max. 128GB)	
Camera		13 Megapixels, PDAF, with LED flashlight	
SIM		Nano+Nano or Nano+TF	
Environmental	Operating Temperature	- 20°C to 55°C (-4°F to 131°F)	
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)	
	Humidity	5% to 95% (non-condensing)	
	Electro Static Discharge (ESD)	±8 KV (direct discharge); ±15 KV (air discharge)	
	Drop	1.8m	
	Sealing	IP65	
Wireless	WWAN Radio	2G: GSM: 850/900/1800/1900MHz; 3G: WCDMA: B1/B2/B5/B7/B8/ B20/B28a&b, CDMA 1x/EVDO: BC0; 4G: FDD-LTE: B1/B2/B3/B5/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/l/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 ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags	
	GPS	GPS-A, GPS-BeiDou, GLONASS	
Accessories	Optional	Single cradle with daisy chain technology (link up to 4 single-slot chargers to one multi-charger), pistol Grip, 4-slot battery charger, screen protection film	
	Standard	Hand strap, USB cable, battery and multi-plug adapter (supports fast charging)	
Device Management	Software	Ndevor (MDM / Device Configuration), SOTi (MDM), Airwatch (MDM), StayLinked (TE), Ivanti Velocity (TE)	
Certifications	Certifications	CE-RED, FCC, BIS, RoHS2.0, REACH, AER, SOTI, UN38.3, IEC62471; Laser Safety: IEC60825	
Warranty	Warranty	2 years	