

N7 Cachalot Pro

Mobile Computers

					
1.8m drop	1D & 2D	4.0" screen	4G	5,100 mAh	Acuscan
					
AER	Android 10	Bluetooth 4.2	Camera	GMS	GPRS
					
GPS	IP65	Laser aimer	Megapixel	Micro SD	Ndevor
					
NFC	Touchscreen	USB-C	Warranty 2 Years	WIFI Dual Band	



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 backlit 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.

TECHNICAL SPECIFICATIONS

N7 Cachalot Pro

Data Capture

1D	All major 1D symbologies
2D	All major 2D symbologies
Aiming	Laser diode
Depth of Field Code 39 (5mil)	SR: 80 mm - 350 mm; MR: 200 mm - 575 mm
Depth of Field DataMatrix (10mil)	SR: 55 mm - 355 mm; MR: 185 mm - 520 mm
Depth of Field EAN 13 (13mil)	SR: 40 mm - 480 mm; MR: 130 mm - 705 mm
Depth of Field PDF417 (6.67mil)	SR: 60 mm - 320 mm; MR: 175 mm - 550 mm
Depth of Field QR (15mil)	SR: 50 mm - 400 mm; MR: 195 mm - 550 mm
Illumination	White LED (625±10nm)
Image Sensor	1280 x 800 CMOS
Scan Modes	Trigger Mode, Sense Mode
Scan Rate	60 frames per second

Performance

Current Operating System	Android 10, GMS, Android Enterprise Recommended (AER)
Memory Flash	64GB
Memory RAM	4GB
Memory Storage Expansion (max.)	Micro SD/TF card (max. 128 GB)
Processor	1.8 GHz Qualcomm Snapdragon

Physical

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	4.0" WVGA (800 x 480)
Expansion Slot	MicroSD card (max. 128GB)
Expected Battery Life	Scanning:> 15 hours of continuous operations; standby: 500 hours
Interfaces	Quick charging (QC) 3.0
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 9 V/2 A, 15 V/1.2 A
Rear camera	13 MP, LED flash, Auto focus
Sensors	Gravity Sensor, Hall switch
SIM/TF	Nano+Nano or Nano+TF (4G configurations only)
Touch Panel	Gorilla glass, Supports input with gloves

Weight	360 g (including battery)
Wireless	
GPS	Beidou, GLONASS, Galileo, GPS (AGPS)
RFID	NFC: 13.36MHz ISO14443A/B, MI FARE, Felica, NFC Forum Tags
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)
WWAN RADIO	2G: GSM: 850/900/1800/1900MHz; 3G: WCDMA: B1/B2/BS/B7/B8/ B20/B28a&b, CDMA 1x/EVDO: BCO; 4G: FDD-LTE: B1/B2/B3/BS/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	
Configuration Tools	Ndevor
MDM (certified)	Ndevor, SOTI, Airwatch
Terminal Emulation (compatible)	StayLinked, Ivanti Velocity
Certifications	
Certifications Hardware	REACH, SOTI, FCC, RoHS 2.0, UN38.3, CE RED, IEC 60825, IEC 62471, AER, BIS
Warranty	
Warranty Standard	2 Years
Accessories	
Accessories Optional	4-slot battery charger, Charging cradle, Pistol grip, Screen protector
Accessories Standard	USB cable, Hand strap, Battery, Multiplug adapter

Newland AIDC EMEA

Feel free to contact us or a partner near you.
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