Newland AIDC
SCANNING MADE SIMPLE

N7 Cachalot Pro

Ordinateurs mobiles

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 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.

TECHNICAL SPECIFICATIONS

N7 Cachalot Pro

Capture de données

1D	All major 1D symbologies
2D	All major 2D symbologies
Viseur	Diode laser
Profondeur de champ Code 39 (5mil)	SR: 80 mm - 350 mm; MR: 200 mm - 575 mm
Profondeur de champ Data Matrix (10mil)	SR: 55 mm - 355 mm; MR: 185 mm - 520 mm
Profondeur de champ EAN 13 (13 mil)	SR: 40 mm - 480 mm; MR: 130 mm - 705 mm
Profondeur de champ PDF417 (6.67mil)	SR: 60 mm - 320 mm; MR: 175 mm - 550 mm
Profondeur de champ QR (15mil)	SR: 50 mm - 400 mm; MR: 195 mm - 550 mm
Éclairage	LED blanche (625±10 nm)
Capteur d'image	1280 x 800 CMOS
Modes de lecture	Mode de déclenchement, Mode Détection
Taux de lecture	60 frames per second

Performance

Système d'exploitation actuel	Android 10, GMS, Android Enterprise Recommended (AER)
Mémoire flash	64 Go
Mémoire RAM	4 Go
Extension de la mémoire de stockage (max.)	Micro SD/TF card (max. 128 GB)
Processeur	1.8 GHz Qualcomm Snapdragon

Caractéristiques physiques

Type de batterie	3.8 V, 5100 mAh, removable
Boutons	Two scan buttons (left/right), three touch navigation keys
Dimensions (mm)	200(W) x 70(D) x 29(H) mm
Écran/Écran tactile	4.0" WVGA (800 x 480), Gorilla glass, Supports input with gloves
Emplacement pour extension	MicroSD card (max. 128GB)
Durée de vie estimée de la batterie	Scanning:> 15 hours of continuous operations; standby: 500 hours
Interfaces	Charge rapide (QC) 3.0
Clavier	29 touches, 38 touches, 47 touches
Notifications	Haut-parleur, LED multicolores, Vibration
Entrée alimentation	AC 100 to 240 V (50 to 60 Hz)
Sortie alimentation	Type-C 9 V/2 A, 15 V/1.2 A
Caméra arrière	13 MPx, Flash LED, Mise au point automatique
Capteurs	Capteur de gravité, Commutateur à effet Hall

SIM/TF	Nano+Nano or Nano+TF (4G configurations only)
Écran tactile	Verre Gorilla, Permet la saisie avec des gants
Poids	360 g (including battery)

Sans fil

GPS	Beidou, Galileo, GLONASS, GPS (AGPS)
RFID	NFC: 13.36MHz IS014443A/B, MI FARE, Felica, NFC Forum Tags
RADIO WLAN	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
RADIO WPAN	Dual mode, Bluetooth 4.2+LE (backward compatible)
RADIO WWAN	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)

Environnement

Résistance aux chutes	1.8 m
Décharge électrostatique (ESD)	±8 kV (décharge directe), ±15 kV (décharge dans l'air)
Humidité	5 % à 95 % (sans condensation)
Indice de protection	IP65
Température de fonctionnement	de -20 °C à 55 °C (de -4 °F à 131 °F)
Température de stockage	de -40 °C à 70 °C (de -40 °F à 158 °F)

Logiciel

Outils de configuration	Ndevor
MDM (certifié)	Ndevor, SOTI, Airwatch
Émulation de terminal	StayLinked, Ivanti Velocity

Certifications

Certifications Matériel	CE RED, RoHS 2.0, IEC 60825, FCC, BIS, REACH, AER, SOTI, UN38.3, IEC 62471

Garantie

Garantie standard	2 ans

Accessoires

Accessoires en option	Socle de chargement, Poignée pistolet,, Chargeur de batterie à 4 emplacements, Protecteur d'écran
Accessoires standard	Dragonne, Adaptateur multiprise, Câble USB, Batterie

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Specifications are subject to change without notice

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