Newland AIDC
SCANNING MADE SIMPLE

1D & 2D | Android 11 | AER | Duo Near & Far | IP65 | Megapixel

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

Micro SD | Camera | 1.8M drop | 4G | Bluetooth 5.0 | WIFI Dual Band

NFC | GPS | GPRS | Ndevor | Acuscan (SR only) | Warranty 2 Years



N7 Cachalot Pro II

Mobile Computers

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.



Suggested industries

Warehousing | Logistics | Manufacturing | Industrial | Transportation

N7 Cachalot Pro II Technical specifications

Data Capture	
1D	All major 1D symbologies
2D	All major 2D symbologies
Image Sensor	1280x800 CMOS
Aiming	Laser diode
Illumination	White LED (625±10nm)
Scan Modes	Trigger Mode
Scan Rate	60 frames per second
Depth of Field EAN 13 (13mil)	SR: 40-480mm; Duo Near & Far: 20-180cm
Depth of Field Code 39 (5mil)	SR: 80-350mm
Depth of Field Code 39 (10mil)	SR: 50-575mm; Duo Near & Far: 20-140cm
Depth of Field Code 39 (55mil)	Duo Near & Far: 40-430cm
Depth of Field Code 39 (100mil)	Duo Near & Far: 50-600cm
Depth of Field Code 128 (3mil)	SR: 100-180mm
Depth of Field Code 128 (10mil)	SR: 60-480mm
Depth of Field Code128 (15mil)	Duo Near & Far: 75-2600mm
Depth of Field Code128 (100mil)	Duo Near & Far: 440-9800mm
Depth of Field PDF417 (10mil)	SR: 60-320mm
Depth of Field DataMatrix (10mil)	Duo Near & Far: 105-310mm
Depth of Field DataMatrix (15mil)	SR: 55-355mm
Depth of Field DataMatrix (55mil)	Duo Near & Far: 190-3900mm
Depth of Field QR (10mil)	Duo Near & Far: 110-250mm
Depth of Field QR (15mil)	SR: 50-400mm
Depth of Field QR (55mil)	Duo Near & Far: 195-3700mm
Performance	
Operating System	Android 11 - GMS, Android Enterprise Recommended (AER)
Processor	2 GHz Octa-Core Processor
Memory RAM	4GB
Memory Flash	64GB
Memory Storage Expansion (max.)	Micro SD/TF card (max. 128 GB)
Physical	
Battery Type	3.8V, 5100 mAh, removable
Buttons	Two scan buttons (left/right), three touch navigation keys
Camera	13 Megapixels, PDAF, with LED flashlight
Dimensions (mm)	200(H) x 70(W) x 29(H) mm (pistol grip 58mm)
Display	4.0" WVGA I PS screen with Gorilla Glass, resolution 480x800, supports input with gloves
Expansion Slot	MicroSD card (max. 128GB)

Newland AIDC EMEA

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Specifications are subject to change without notice

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N7 Cachalot Pro II Technical specifications

Expected Battery Life	Scanning:> 15 hours of continuous operations; standby: 500 hours
Interfaces	Quick charging (QC) 3.0, USB Type-C port, 9V/2A
Keypad	29, 38 or 47 physical buttons, white backlight function
Notifications	Vibrator, speaker, and mulit-color LED
Power Supply Input	AC 100~240V, 50~60Hz
Power Supply Output	Type-C 5V/3A,9V/2A,12V/1.5A
Sensors	Gravity Sensor, Hall Switch
SIM (4G configurations only)	Nano+Nano or Nano+TF
Weight	360g (including battery)
Wireless	
WWAN Radio (4G configurations only)	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)
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)
RFID (not supported with pistol grip configuration)	NFC: 13.56MHz IS014443A/B, MI FARE, Felica, NFC Forum Tags
GPS (4G configurations only)	Beidou, Galileo, GLONASS, GPS (AGPS)
Environmental	
Operating Temperature	-20℃ to 55℃ (-4°F to 131°F)
Storage Temperature	-40℃ to 70℃ (-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
IP Rating	IP65
Accessories	
Standard	Hand strap, USB cable, battery and multi-plug adapter (supports fast charging), screen protector
Optional	Single cradle, pistol Grip, 4-slot battery charger, screen protector (SPN7 Hybrid)
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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Warranty Extension	+1 or 3 Years
Comprehensive Service	3 or 5 Years

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