



1D & 2D

Android





IP65



Duo Near & Far

Megapixel



GMS



Laser

aimer





AER







Touchscreen USB-C



mAh



Micro SD



Camera





drop

screen





5.0



WIFI Dual Band



NFC













Acuscan Warranty (SR only) 2 Years



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



Logistics

Manufacturing

Industrial

Transportation

N7 Cachalot Pro II Technical specifications

Data Capture

1D All major 1D symbologies 2D All major 2D symbologies 1280x800 CMOS Image Sensor

Laser diode Aiming

Illumination White LED (625±10nm)

Trigger Mode Scan Modes

Scan Rate 60 frames per second

Depth of Field EAN 13 (13mil) SR: 40-480mm; Duo Near & Far: 20-180cm

SR: 80-350mm Depth of Field Code 39 (5mil)

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

Duo Near & Far: 190-3900mm Depth of Field DataMatrix (55mil) Depth of Field QR (10mil) Duo Near & Far: 110-250mm

Depth of Field QR (15mil) SR: 50-400mm

Duo Near & Far: 195-3700mm Depth of Field QR (55mil)

Performance

Android 11 - GMS, Android Enterprise Recommended (AER) **Operating System**

Processor 2 GHz Octa-Core Processor

4GB Memory RAM

64GB Memory Flash

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)

Expected Battery Life Scanning:> 15 hours of continuous operations; standby: 500 hours

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Specifications are subject to change without notice

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N7 Cachalot Pro II Technical specifications

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 Ix/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°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
IP Rating	IP65
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 (SPN7 Hybrid)
Software	
MDM (certified)	Ndevor, SOTI, Airwatch
Terminal Emulation (compatible)	StayLinked, Ivanti Velocity
Configuration Tools	Ndevor
Certifications	
	OF DED FOO DIS DALISS O DEACH AED SOTI UNISS S JECGS 474 Lagar Safahu JECGS 95
Hardware	CE-RED, FCC, BIS, RoHS2.0, REACH, AER, SOTI, UN38.3, IEC62471; Laser Safety: IEC60825

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Standard

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2 years

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