



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 20, 38 and 47 keypoint option (not including side scan buttons). Each of the three configurations are built-in for high visibility in dark work environments.

Megapixel Barcode Scanning - Our Near & Far*

The N7 Cachalot Pro II is available with advanced Our Near & Far scanning technology. Newland's Our Near & Far combines two 2D vision engines working side by side to read 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 4.1" 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 tough environments.

Reliable All-day Use with Hot-Swappable Battery

The N7 Cachalot Pro II supports hot-charging with its 8000mAh hot-swappable battery. This keeps your projects running and your staff connected, even when taking the battery fully out to exchange it with a new one. The single cradle is designed to take 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 AOSP 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 true ISM Managed, enables clients to maintain secure visibility and control over their devices regardless of location.



Suggested Industries



N7 Cachalot Pro II Technical specifications

Data System

UI	44 main 1D symbologies
UI	44 main 2D symbologies
Image Format	100x800-200x8
Printing	Laser mode
Illumination	White LED (200+ lines)
Scan Model	Image Mode
Scan Rate	80 frames per second
Depth of Field Code 12 (1line)	95-40-800mm, Dual Head & Fan, 20-18000
Depth of Field Code 20 (2line)	95-50-500mm
Depth of Field Code 30 (3line)	95-50-570mm, Dual Head & Fan, 20-14000
Depth of Field Code 30 (50mm)	Dual Head & Fan, 40-4500m
Depth of Field Code 30 (100mm)	Dual Head & Fan, 50-8000m
Depth of Field Code 120 (2line)	95-100-100mm
Depth of Field Code 120 (100mm)	95-60-800mm
Depth of Field Code 420 (15line)	Dual Head & Fan, 75-2000mm
Depth of Field Code 420 (100mm)	Dual Head & Fan, 100-8000mm
Depth of Field PDF417 (1line)	95-50-320mm
Depth of Field DataMatrix (1line)	Dual Head & Fan, 100-2100m
Depth of Field DataMatrix (2line)	95-50-2000m
Depth of Field DataMatrix (3line)	Dual Head & Fan, 100-2000mm
Depth of Field QR (1line)	Dual Head & Fan, 140-2000m
Depth of Field QR (15line)	95-60-800mm
Depth of Field QR (50line)	Dual Head & Fan, 140-2100mm

Performance

Operating System	Android 11 - 2GB, Android Enterprise Recommended (AER)
Processor	2 GHz GlobalCore Processor
Memory RAM	4GB
Memory Flash	64GB
Memory Storage Expansion (max.)	Micro SD/TF card (max. 128 GB)

Physical

Battery Type	3.8V, 9500 mAh, rechargeable
Buttons	Two open buttons (backlight), three touch navigation keys
Camera	13.0Megapixels, PDAF, with LED flashlight
Dimensions (mm)	200H x 70mm x 20mm (no strap gap, 50mm)
Display	6.0" 1080A 144 Hz screen with Gorilla Glass, rounded corners, supports input with gloves
Expansion Slot	MicroSD card (max. 128GB)
Extended Battery Life	Battery+™ 32 hours of continuous operation, standby 300 hours

N7 Cachalot Pro II Technical specifications

Interface	Gold charging (Qi) 5.0, USB Type-C port, NFC
Keypad	24, 28 or 32 physical buttons, white-backlight function
Vibration	Vibrator, speaker, and multi-color LED
Power Supply Input	AC 100-240V, 50-60Hz
Power Supply Output	Type-C (VDA, VVDA, VVPLD)
Buttons	Quality Sensor, Hall Switch
OS (4G configurations only)	Harman OS or Harman OS
Weight	380g (including battery)
Connectivity	
GNSS Radio (4G configurations only)	2G: GSM (GPRS, EDGE, GPRS), 3G: WCDMA, 4G: LTE/LTE-A, 5G: NR (5G NR SA, 5G NR NSA), 100MHz bandwidth, 4G: 4G FDD-LTE, 4G TD-LTE, 5G: 5G NR SA, 5G NR NSA, 100MHz
WLAN (4G)	IEEE 802.11 a/b/g/n, compatible with 11 ac/ax/ai, support 2.4GHz and 5GHz dual frequency, roaming, Super Fast Roaming
WLAN (5G)	Dual mode (Roaming 5.0 BLE backward compatible)
RFID (not supported without gps configuration)	NFC, 13.56MHz (ISO14443A), MIFARE, Felica, NFC Forum Tag
GPS (4G configurations only)	Beidou, Galileo, GLONASS, GPS (AOP)
Environment	
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)
Electric Shock Discharge (ESD)	±8 kV (static discharge), ±15 kV (air discharge)
Drop	1.6m
IP Rating	IP55
Accessories	
Included	Head strap, USB cable, battery and multi-lingual user manual (not charging)
Optional	Single track, photo Grip, 4-wire battery charger, screen protection film (SPM Type1)
Software	
ROM (optional)	Harman, SCS, Agilent
Terminal Emulation (optional)	Raytheon, Intel, Verilog
Configuration Tools	Harman
Compliance	
Hardware	CE-RED, FCC, B2, RoHS2.0, REACH, ADR, RoHS, LMSR, ICES, IEC60950-1, Low Voltage, IEC60601
Warranty	
Standard	2 years
Optional Extension	+1 or 3 Years
Comprehensive Service	3 or 5 years

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Feel free to contact us at a point that suits you

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Specifications are subject to change without notice

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