



Newland AIDC
Scanning Made Simple



NLS-N7

PORTABLE DATA COLLECTOR

FEATURES

○ Excellent grip, rugged and durable

Specially designed for logistics, warehouse and other industry fields, custom 29 buttons layout. Combined with ergonomic pistol grip designing. IP65 protection grade, withstand 1.8m free drop to concrete (2 times at each surface) and work normally in pouring water situation with gloved fingers.

○ Qualcomm platform Android 10.0

Using Qualcomm platform, Octa-core, 1.8GHzd main frequency, running Android 10.0 operating system, providing quicker data process and smoother operation.

○ High accuracy medium range identification

Using international top class 1D laser scan engine and 2D CMOS scan engine; Support medium far distance scanning; Using 25°perfect scanning angel, make scanning more accurate; 8 megapixel camera, high dynamic LED light, easy to capture clear photos at any time and any place.

○ Type-C port WIFI ac band

Using the mainstream Type-C fast charging port, the charging power is up to 18W, can fully charge the 5100mAh battery within 2 hours. Support 802.11ac band and WIFI 5G band, faster transmission rate and better support for WIFI roaming.



2D Barcode



1D Barcode



Android



4"
Color
Screen



GPS



IP65



4G



WIFI

NLS-N7

Performance

Processor	Qualcomm 1.8GHz, octa cores 64-bit processor
Operating System	Android 10.0
Memory	4GB RAM, 64GB ROM
Interface	QC3.0, Type-C port, 9V/2A

Physical/Electrical

Dimensions (L×W×H)	200×70 (pistol grip 58) ×24 (battery29) mm
Weight	360g (including battery)
Display	4.0" WVGA IPS screen, visible under strong light, resolution 480×800
Keypad	29 physical buttons, with back light function
Virtual Button	Support three virtual buttons
Notification	Vibrator, speaker and multi-color LEDs
Battery	5100mAh, support spare battery
Camera	8MP, auto focus, with LED flashlight
GPS	GPS (A-GPS)/GLONASS or GPS (A-GPS)/Galileo
Expansion	Micro SD/TF card (max. 128GB)
Sensor	Gravity sensor, hall switch
AC Adapter	QC3.0, Output: Type-C 5V/2A,9V/2A,15V/1.2A, Input: AC 100-240V,50-60Hz

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% (non-condensing)
Static Discharge	±15 kV (Air discharge), ±8 kV (Direct discharge)
Drop	1.8m drops to concrete (for six sides, two drops per side)
Sealing	IP65

Barcode Scanning

2D Barcode	1D: Code128, Code 49, Code 16K, (GS1128) UCC/EAN-128, AIM-128, EAN-8, EAN-13, UPC-E, UPC-A, ITF, ITF 6, ITF 14, Matrix 2 of 5, Industrial 25, Standard 2 of 5, Code39, ISSN, ISBN, Codabar, Code93, Code 11, Plessey, MSI Plessey, RSS.
CMOS (≥ 5 mil)	2D: Aztec, Composite, CS Code, Maxicode, Micro PDF, Micro QR, PDF 417, QR Code, Data Matrix, DotCode.

Depth of Field

Depends on barcode type and environment	Code39 (5mil) 80mm-350mm; Code39 (10mil) 50mm-575mm Code128 (3mil) 100mm-180mm; Code128 (10mil) 60mm-480mm EAN-13 (13mil) 40mm-480mm; DM (15mil) 55mm-355mm PDF417 (10mil) 60mm-320mm; QR (15mil) 50mm-400mm
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NFC

13.56MHz RFID	13.56MHz ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693
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Wireless

WLAN RADIO	Bands	built-in 802.11 a/b/g/n/ac, compatible with 11 d/h/i/k/r/v/w, support 2.4G and 5G dual frequency
WWAN RADIO	Roaming	Support Fast Roaming
	2G	GSM: 850/900/1800/1900MHz
	3G	WCDMA: B1/B2/B5/B8 TD-SCDMA: B34/B39 CDMA 1x/EVDO: BC0
	4G	FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B28a&b TDD-LTE: B38/B39/B40/B41 (100M)

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NLS-N7

WPAN RADIO Dual mode, BT4.2+LE (Backward-compatible)

Card Slots

SIM Card. Nano+Nano or Nano+TF

Accessory (Optional)

AC adapter, cable, charging cradle, hand strap, 4-slot charger

Certificates&Protection

Certificates CE-RED, FCC, BIS, RoHS2.0, REACH, AER, SOTI, UN38.3, IEC62471
Laser Safety IEC60825

Specifications are subject to change without notice.

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