



Newland AIDC
Scanning Made Simple



NLS-MT90(4G)

PORTABLE DATA COLLECTOR

FEATURES

○ Rugged Construction

The NLS-MT90's rugged housing is sealed to IP65 standards for protection against dust and water and withstands 1.5m drops to concrete.

○ Customized Android

The value-added features of the NLS-MT90, including application protection and admin tool, seek to shore up Android's data security.

○ Long Battery Life

The NLS-MT90 is equipped with a 4500mAh battery that provides a full-shift battery life of up to 10 hours from a single charge. What's more, the battery is changeable which guarantees the all-day continue use of device.

○ Diverse Functionalities

The NLS-MT90 offers 1D/2D/BT/Wi-Fi/4G /GPS/Camera/NFC functionalities to meet various application needs.



2D Barcode



1D Barcode



Android



1.5m Drop



GPS



IP65



4G



WiFi

NLS-MT90(4G)

Performance

Processor	2.0GHz, octa-core 64-bit processor
Operating System	Android 11
Memory	4GB RAM, 64GB ROM
Interface	Micro USB 2.0 OTG at the bottom, 8Pin extended contact on the back

Physical/Electrical

Dimensions (L×W×H)	Maximum Size: 155 × 78 × 20mm; Handheld Size: 155 × 76 × 18mm
Weight	270g (including battery)
Display	5" (1280×720) capacitive touch screen
Keypad	10 keys (side keys included)
Notification	Vibrator, speaker and multi-color LEDs
Battery	3.8V, 4500mAh
Camera	Front camera (optional): 2 megapixels Rare camera: 8 megapixels, auto focus, with LED flashlight
GPS	GPS (AGPS)/GLONASS/Beidou
Expansion	Micro SD card (max. 128GB) slot
AC Adapter	Output: DC5V, 2.0A Input: AC100~240V, 50~60Hz

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)
Static Discharge	±15 kV (Air discharge), ±8 kV (Direct discharge)
Drop	1.5m drops to concrete (for six sides, one drop per side)
Tumble Spec.	0.5m, 10 times/min, 500 times(250 tumbles)
Sealing	IP65 or IP67 (optional)

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 (≥5mil)	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	QR (15mil) 55mm-410mm; EAN 13 (13mil) 70mm-610mm Code 39 (5mil) 110mm-290mm; DM (10mil) 110mm-260mm PDF 417 (6.7mil) 110mm-230mm;
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NFC

13.56MHz RFID	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, Support 2.4G and 5G dual frequency
WWAN RADIO	2G	GSM:850/900/1800/1900MHz
	3G	WCDMA: B1/B2/B4/B5/B8 CDMA 1x/EVDO: BC0/BC1
	4G	FDD-LTE: B1/B2/B3/B4/B7/B12/B13/B17 TDD-LTE: B41
WPAN RADIO		Bluetooth 5.0 (backward-compatible)

Accessory (Optional)

AC adapter, cable, battery, charging cradle, wrist lanyard, trigger handle, RFID handheld reader, long-range barcode reader, protective sleeve, etc.

Specifications are subject to change without notice.

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