Newland AIDC
Scanning Made Simple

NLS-MT90

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 /GPS/Camera/NFC functionalities to meet various application needs.

| 2D Barcode | 1D Barcode | Android | 1.5m Drop | GPS | IP65 | WiFi |

NLS-MT9055(WiFi)

Performance

Processor	2.0GHz, octa-core 64-bit processor
Operating System	Android 11
Memory	4GB RAM, 64GB ROM
Interface	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
	Rear camera: 8 megapixels, auto focus, with LED flashlight
GPS	GPS (AGPS)/GLONASS/Beidou
AC Adapter	Output: DC5V, 2.0A Input: AC100~240V, 50~60Hz

Environmental

Operating Temperature	-20℃ to 55℃ (-4ºF to 131ºF)
Storage Temperature	-40℃ to 70℃ (-40ºF to 158ºF)
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 CMOS (≥5mil)	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.
	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;

NFC

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

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NLS-MT9055(WiFi)

Wireless

WLAN RADIO	Bands	Built-in 802.11 a/b/g/n/ac, Support 2.4G and 5G dual frequency
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 case, etc.

Specifications are subject to change without notice.   2023/07/28   Version: V1.4

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