Newland AIDC
Scanning Made Simple

NLS-MT93

PORTABLE DATA COLLECTOR

FEATURES

○ **Heavily Customized Android**

The value-added features of the NLS-MT93 including application protection and admin tool, seek to shore up Android's data security.

○ **Long Expected Battery Life**

The NLS-MT93 is equipped with a 5000mAh battery that provides a full-shift battery life of up to 12 hours from a single charge. What's more, the battery is changeable which guarantees the all-day continue use of device.

○ **Rugged Durability**

The NLS-MT93's rugged housing is sealed to IP67 standards for protection against dust and water and withstands 1.5m drops to concrete.

○ **Diverse Functionalities**

The NLS-MT93 offers 1D/2D/BT/Wi-Fi/4G /GPS/Camera/NFC functionalities to meet different application needs. Equipped with Newland's self-developed high performance barcode reading engine, the NLS-MT93 can decode various barcodes and support OCR character recognition.

| 2D Barcode | 1D Barcode | Android | GPS | WiFi Dual Band | Bluetooth | Drop | Touch |

NLS-MT93

Performance

Processor		2.2GHz, octa-core 64-bit processor
Operating System		Android 13
Memory		4GB RAM, 64GB ROM
Symbologies	2D	Aztec, Composite, CS Code, Maxicode, Micro PDF, Micro QR, PDF 417, QR Code, Data Matrix, DotCode.
	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.
Depth of Field	EAN-13	70mm-610mm(13mil)
(Depend on Barcode and Environment)	Code39	120mm-290mm(5mil)
	PDF417	110mm-230mm(6.7mil)
	Data Matrix	110mm-260mm(10mil)
	QR Code	55mm-410mm(15mil)

Physical/Electrical

Dimensions (L×W×H)	159(L) × 74(W) × 15.9(H) mm
Weight	277g (including battery)
Display	5.5" (720×1440), multi-point capacitive touch screen with Gorilla Glass, Brightness(max.400 Nits)
Keypad	Virtual on-screen buttons: Menu, Home, Back
	Physical buttons: Left and right Scan keys, Volume +/-, Power
Notification	Vibrator, speaker(8R,1W 10cm,103dB) and multi-color LEDs
Mic	Dual microphones, supports noise reduction
Battery	3.85V, 5000mAh
GPS	GPS (AGPS), GLONASS, Beidou, Galileo
Sensor	Light & Proximity sensor, Gravity sensor, Gyroscope ,Electronic compass
Camera	Front camera: 5 megapixels,
	Rear camera: 13 megapixels, auto focus, with LED flashlight
Expansion	Micro SD Card (Maximum 256GB) ,2 PIN contacts support Pistol grip
Interface	USB Type-C , charging contacts on the bottom, supports headphones
AC Adapter	Output: DC5V/7V/9V, 2A Input: AC100~240V, 50~60Hz, 18W Fast charge

Environmental

Operating Temperature	-20℃ to 55℃ (-4°F to 131°F)
Storage Temperature	-40℃ to 70℃ (-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)
Sealing	IP67

NFC

13.56MHz RFID	ISO14443A/B, ISO15693, ISO18000-3, MIFARE, FeliCa RF, Kovio, NFC Forum Type 1-4 Tags

Wireless

WLAN RADIO		Built-in 802.11 a/b/g/n/ac/ax/k/v/r, support 2.4G and 5G dual frequency
WWAN RADIO	2G	850/900/1800/1900MHz
	3G	WCDMA (B1, B2, B5, B8); CDMA: 1X EVDO (BC0); TD-SCDMA: B34/B39
	4G	TDD-LTE (B34, B38, B39, B40, B41)
		FDD-LTE (B1, B2, B3, B5, B7, B8, B20, B28 a&b)
WPAN RADIO		Bluetooth 5.2 BLE backward compatibility

Accessory

AC adapter, cable, rubber boot, hand strap, tempered screen protector

Specifications are subject to change without notice.   2024/02/08   Version: V1.3