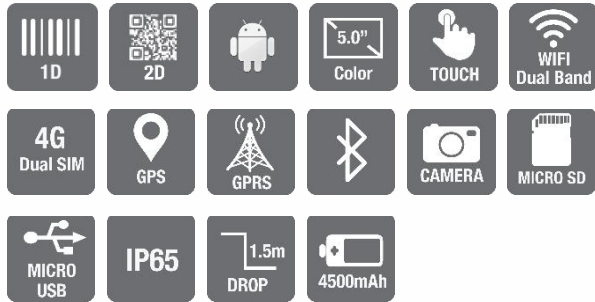


NLS-MT90

Model: MT9050-2WAM

Portable Data Collector



Features

- **Superior Barcode Reading Performance**
Armed with Newland's sixth-generation of **UIMG®** technology and its state-of-the-art 2D mega-pixel engine, the new NLS-MT90 can decode even poorer quality barcodes, such as soiled or wrinkled labels, with ease.
- **User-focused Ergonomics**
The user-focused ergonomic design of the NLS-MT90 renders a lightweight and well-balanced device that reduces stress and fatigue during extended work sessions. Its ergonomically positioned side scan buttons provide the most comfort to use for either right- or left-handed operators.
- **Diverse Functionalities**
Beyond the flexibility of its dual SIM card system, the NLS-MT90 offers Bluetooth/ dual band WiFi 2.4GHz and 5GHz / 4G/ 3G/ GPS/ GPRS/ Camera/ NFC functionalities to meet various application needs.

- **Long-lasting 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.
- **Heavily Customized Android**
The value-added features of the NLS-MT90, including application protection and admin tool, seek to shore up Android's data security.
- **Industrial-grade Durability**
The NLS-MT90's rugged housing is sealed to IP65 standards for protection against dust and water and withstands 1.5m drops to concrete.
- **Current models released**
MT9050-2WAM (2D mega-pixel imager)



Application Scenarios

Logistics, express delivery services, warehouse management, retail chains, food traceability, healthcare, distributor management, manufacturing, electricity meter reading, inventory counting.

NLS-MT90

Portable Data Collector

SCANNING MADE SIMPLE

Performance	Processor	1.3GHz quad-core 64-bit processor	
	Operating System	Android 7.0 (64-bit)	
	Memory	2GB RAM, 16GB ROM	
	Interface	Micro USB 2.0 OTG, Battery charging over USB supported	
Physical	Dimensions	Maximum Size: 155(L) × 78.5(W) × 20.5(H)mm; Handheld Size: 155(L) × 76(W) × 18(H)mm	
	Weight	265g (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	
	Expected Battery Life	10 hours	
	Expected Charge Time	<5 hours (charge via AC adapter)	
	Camera	8 megapixels, auto focus, with LED flashlight	
	GPS	GPS (AGPS), GLONASS	
	Expansion	Micro SD card (max. 32GB) 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	-30°C to 70°C (-22°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, 1.8m drops to concrete with rubber boot	
Sealing		IP65	
Barcode Scanning	Laser aiming	1D: EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar, UCC/EAN128, RSS, ITF, ITF14, ITF6, ISSN, ISBN, Standard 25, Matrix 25, Industrial 25, Plessey, MSI Plessey, Code 11, Code 93, etc.	
	Mega-pixel	2D: PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec, Chinese Sensible Code, Maxicode, Composite, etc.	
Depth of field	Depends on barcode type and environment	Code39(20mil) 90mm-600mm; EAN13(13mil) 60mm-420mm Code39(5mil) 102mm-205mm; DM(10mil) 110mm-275mm PDF417(6.7mil) 90mm-173mm; QR(15mil) 40mm-230mm	
RFID	13.56MHz RFID	ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693	
Wireless	WLAN RADIO	IEEE 802.11 a/b/g/n, 2.4GHz and 5GHz	
	WWAN RADIO	2G: GSM/GPRS/EDGE (850/900/1800/1900MHz); 3G: WCDMA (B2, B4, B5, B8); 4G: TD-LTE (B38, B39, B40, B41); FDD-LTE (B2, B4, B5, B7, B12, B17)	
	WPAN RADIO	Bluetooth 4.0 LE	
Optional Accessories		Charging cradle, pistol grip, rubber boot, battery, AC adapter, cable, wrist lanyard, hand strap.	

Specifications are subject to change without notice.

Version: V1.1

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