



UHF PORTABLE DATA COLLECTOR

NLS-MT93-U

Scanning made simple.

Beyond flexible UHF, the MT93-U adds 1D/2D, Bluetooth, Wi-Fi and 4G. A high-performance Impinj E710 reader hits batch speeds above 900 tags/second at ranges up to 12 m, and a 10,000 mAh removable battery runs up to 10 hours. IP65-sealed, it withstands 1.5 m drops to concrete.

NEWLAND AIDC, AVAILABLE THROUGH VERITRONICS



FEATURES

Industrial-Grade Durability

IP65-sealed against dust and water, withstanding 1.5 m drops to concrete.

Outstanding RFID Performance

An Impinj E710 UHF chip reads 900+ tags/second at ranges up to 12 meters.

Long-Lasting Battery

A 10,000 mAh removable battery delivers a full-shift 10 hours on a single charge.

KEY SPECIFICATIONS

Processor	2.2GHz octa-core 64-bit	Dimensions (L×W×H)	168×86×149mm (6.61×3.39×5.87in)
Operating System	Android 13 (GMS)	Weight	665g (23.46oz, incl. battery)
Memory	4GB RAM, 64GB ROM	Read Range	>12m indoor / >8m outdoor
UHF Module	Impinj E710	Read Rate	≥900 tags/sec
Battery	10,000mAh (removable)	Sealing	IP65

Technical Specifications

NLS-MT93-U (MT8781)

PERFORMANCE

Symbologies	2D: Aztec, Composite, CS Code, Maxicode, Micro PDF, Micro QR, PDF417, QR Code, Data Matrix, DotCode 1D: Code128, Code49, Code16K, GS1-128 (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, Code11, Plessey, MSI Plessey, RSS
Depth of Field	EAN-13 (13mil): 70–610mm (2.76–24.02in) Code39 (5mil): 110–290mm (4.33–11.42in) PDF417 (6.7mil): 110–230mm (4.33–9.06in) Data Matrix (10mil): 110–260mm (4.33–10.24in) QR Code (15mil): 55–410mm (2.17–16.14in)

RFID (UHF)

Read Range	>12m / >39ft (indoor); >8m / >26ft (outdoor, @Alien 9740)
Write Distance	0–3m / 0–9.84ft
Read Rate	≥900 tags/sec
UHF Module	Based on Impinj E710

PHYSICAL & ELECTRICAL

Processor	2.2GHz octa-core 64-bit (2×A76 @2.2GHz, 6×A55 @2GHz)
Operating System	Android 13 (GMS)
Memory	4GB RAM, 64GB ROM
Display	5.5" (720×1440), Gorilla Glass, 400 nits
Battery	10,000mAh (removable)
Camera	Rear 13MP AF w/ LED flash · Front 5MP
Expansion	microSD (max 256GB)
Interface	USB Type-C, bottom charging contacts
Dimensions (L×W×H)	168×86×149mm (6.61×3.39×5.87in)
Weight	665g (23.46oz, incl. battery)

ENVIRONMENTAL & WIRELESS

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)
Drop	1.5m / 4.92ft to concrete
Sealing	IP65
WLAN	802.11 a/b/g/n/ac, 2.4G & 5G
WWAN	2G / 3G / 4G LTE
WPAN	Bluetooth 5.0 BLE

Read range and rate can be affected by tag and environment. Specifications are subject to change without notice.