

MT93 Megattera Pro UHF

Mobile Computers



Features

WiFi 6E Generation

With the latest WiFi 6E technology, the MT93 Megattera Pro UHF offers improved speed and security to transmit data within four-wall applications. Fast roaming and increased bandwidth offered by WiFi 6E enable the MT93 to stay connected even in crowded wireless environments.

Powerful Performance

Powered by 2.2GHz octa-core processor and a robust 4GB of RAM, the MT93 Megattera Pro UHF can effortlessly handle multiple tasks. Running on Android 13 and featuring GMS, this device not only strengthens security measures but also guarantees a smoother and more efficient operational experience.

Intuitive and Comfortable Design

The MT93 Megattera Pro UHF combines advanced functionality with a user-friendly design. It is equipped with a 5.5-inch capacitive touchscreen, similar to a regular smartphone, providing ease of use. Additionally, the MT93 includes a pistol grip with an integrated UHF reader, which enhances efficiency and read range. Its ergonomic design helps reduce hand fatigue during extended use.

Built to Last

The MT93 Megattera Pro UHF is purpose-built to thrive in demanding work environments. Sporting an IP65 rating and successfully passing drop tests from heights of up to 1.5 meters, this device is designed to endure the challenges of your daily operations.

High-Precision Barcode Scanning & UHF Reading

Achieve unmatched precision in barcode scanning with the high-resolution megapixel scan engine, designed to deliver exceptional accuracy and speed. Positioned at the top of the device as a straight shooter, it ensures effortless and precise scanning, even in demanding environments. To create the most ergonomic and efficient workflow, activate the scanner or UHF reader via a tap on the screen by pressing a physical side button or using the Pistol Grip Trigger, providing maximum flexibility for point-and-shoot operation. This combination of advanced technology and user-focused design ensures seamless and reliable data capture every time.

Uninterrupted Productivity

Boasting a robust 10,000mAh battery, the MT93 Megattera Pro UHF keeps you going throughout the full shift for up to 10 uninterrupted hours! Need even more power? Simply switch the battery to maintain workflow and minimize downtime.

Android Enterprise Recommended (AER).

The MT93 Megattera Pro UHF carries Google's AER seal of approval, signaling it keeps pace with performance and security upgrades to its operating system and core functionality. This label, in combination with Newland's free MDM Ndevor, enables clients to maintain secure visibility and control over their devices regardless of location.

TECHNICAL SPECIFICATIONS

MT93 Megattera Pro UHF

Data Capture

1D	Codel28, Code 49, Code 16K, (GSII28) 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, Codell, Plessey, MSI Plessey, RSS.
2D	Aztec, Composite, CS Code, Maxicode, Micro PDF, Micro QR, PDF 417, QR Code, Data Matrix, DotCode.
Aiming	Laser
Depth of Field Code 39 (5mil)	110 mm - 290 mm
Depth of Field DataMatrix (10mil)	110 mm - 260 mm
Depth of Field EAN 13 (13mil)	70 mm - 610 mm
Depth of Field PDF417 (6.7mil)	110 mm - 230 mm
Depth of Field QR (15mil)	55 mm - 410 mm
GS1 Ready	Yes
Image Sensor	1280 x 800 CMOS

Performance

Current Operating System	Android 13, Android Enterprise Recommended (AER), GMS
Memory Flash	64GB
Memory RAM	4GB
Processor	2.2 GHz octa-core, 64-bit, 2*A76@2.2 GHz, 6*A55@2.0 GHz

Physical

Battery Type	10.000 mAh, removable
Buttons	Virtual on-screen buttons: Menu, Home, Back; Physical buttons: Left and right Scan keys, Volume +/-, Power
Dimensions	168(W) x 86(D) x 149(H) mm
Display/Touch Panel	5.5" (1440 x 720), brightness: 380 nits, Multi-point capacitive touchscreen, Gorilla glass
Expansion Slot	Micro SD Card (max 256GB)
Front camera	5 MP
Interfaces	USB-C
Keypad	3 Virtual keys, 5 keys
Microphone	Dual microphones, Supports noise reduction
Notifications	Speaker, Multi-color LEDs, Vibration
Power Supply Input	AC 100 to 240 V (50 to 60 Hz), 18w fast charge
Power Supply Output	DC5 V/7 V/9 V, 2 A
Rear camera	13 MP, Auto focus, LED flash
Sensors	Light & proximity sensor, Gravity Sensor, Gyroscope, Electronic compass

SIM/TF	Nano+Nano or Nano+TF
Weight	665 g (including battery)

Wireless

GPS	GPS (AGPS), GLONASS, Beidou, Galileo
WLAN RADIO	Built-in 802.11 a/b/g/n/ac/ax/k/v/r, support 2.4G and 5G dual frequency
WPAN RADIO	Bluetooth 5.2 BLE backward compatibility
WWAN RADIO	2G: 850/900 800 900MHz; 3G: WCDMA (B1, B2, B5, B5); CDMA: 1X EVDO (BCD); 4G: TDD-LTE (B34, B38, B39, B40, B41) FDD-LTE (B1, B2, B3, B5, B7, B5, B20, B28 a&b)

UHF RFID

UHF Antenna	Circularly polarized antenna (4dBi), 5dBm-33dBm,(±1dBm) adjustable.
UHF Frequency Range	ETSI (Europe): 865.6-867.6MHz
UHF Module	Based on Impinj E710
UHF Protocol	EPC Class I Gen 2 (ISO 18000-BC)
UHF Read Range	Indoor: >12 m; Outdoor: >8 m (@ Alien 9740)
UHF Read Rate	>900 tags per second

Environmental

Drop	1.5m drops to concrete (for six sides, one drop per side)
Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP65
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	Ndevor
MDM (certified)	Ndevor

Warranty

Comprehensive Service Contract	3 Years, 5 Years
Warranty Extension	+1 Year, +3 Years
Warranty Standard	2 Years

Accessories

Accessories Optional	Fast charging power adapter, USB-C cable, Charging cradle, Battery, Screen protector, Cig-plug adapter
Accessories Standard	USB-C cable, Hand strap, Battery, Screen protector, Multiplug adapter

What's in the box?

NLS-MT9356-W4-UHF1	MT93 Megattera Pro UHF, USB-C cable, Battery, Screen protector, Hand strap, Multiplug adapter
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Accessories

Cables	CBL-TC-N7 USB to USB-C Cable (CBL-TC-N7)
Base Stations	NLS-MCD93-U-01 Charging Cradle for MT93 UHF (NLS-MCD93-U-01)
Protection & Handling	SPMT93 Glass Screen Protector for MT93 Series (SPMT93)