Newland AIDC
SCANNING MADE SIMPLE

MT90 Orca III

Mobile Computers

1.5m drop | 1D & 2D | 4,500 mAh | 4G | 5.0" screen | Acuscan

Android 11 | Bluetooth 5.0 | Camera | GMS | GPS | IP65

Laser aimer | Megapixel | Micro SD | Ndevor | NFC | Touchscreen

USB-C | Warranty 2 Years | WIFI Dual Band

Features

Full touchscreen mobile computer.
The MT90 Orca III is an Android mobile computer that packs all of the latest hardware in a modern and user-friendly design. It is a light and durable device with a 5" capacitive touch screen. Equipped with a familiar user interface and the exterior of a consumer phone, the MT90 Orca III is easy to set up and use right out of the box.

Megapixel barcode scanning.
Developed for quick and efficient barcode scanning, the MT90 Orca III ensures maximum productivity. Its megapixel scan engine is built in at the top of the device and can be triggered with a virtual button on the screen or a physical button on the side of the device for easy point-and-shoot scanning.

Reliable all day use with a replaceable battery.
The MT90 Orca III has a 3.8V 4500 mAh battery that allows you to use the device all day without problem. Additionally, the battery is replaceable, allowing you to use a spare battery if needed.

Business-class durability.
The MT90 Orca III is built to withstand dusty environments and inevitable bumps and drops. It has a rating of IP65 and has been drop tested up to 1.5m, or 1.8m with a rubber boot, ensuring longer and more reliable use.

GMS.
The MT90 Orca III offers Google Mobile Services (GMS) with integrated Google applications such as Gmail, Google Maps and Google Play Store.

Accessories that match your operations.
A wide range of accessories for the MT90 Orca III are included in the package, namely: single slot charging & communication (USB) cradle, rubber boot, hand strap and wrist lanyard. Pistol grip, UHF pistol grip, long-range pistol grip and holsters are optional.

2 Years Full Warranty | Ndevor NEWLAND SOFTWARE | SOTI MOBICONTROL | Ivanti Validated | Google GMS

TECHNICAL SPECIFICATIONS

MT90 Orca III

Data Capture

1D	All major 1D symbologies
2D	All major 2D symbologies
Aiming	Laser diode
Illumination	White LED (625±10nm)
Image Sensor	1280 x 800 CMOS
Scan Modes	Trigger Mode
Scan Rate	60 frames per second

Performance

Current Operating System	Android 11, GMS
Memory Flash	64GB
Memory RAM	4GB
Memory Storage Expansion (max.)	Micro SD card (max. 128GB)
Processor	2.0 GHz octa-core, 64-bit

Physical

Audio	Speaker, Microphone
Audio Jack	3.5mm earphone jack
Battery Type	3.8 V, 4500 mAh, swappable
Buttons	Side Keys Volume+, Volume-, Left Scan Key, Right Scan Key, Power Button, Function Key, Keypad (4 Keys)
Dimensions	155(W) × 78(D) × 20(H) mm
Display/Touch Panel	5” full colour (1280 × 720), Capacitive touchscreen
Expansion Slot	Micro SD card (max. 128GB)
Expected Battery Life	10 hours
Expected Charge Time	5 hours (charge via AC adapter)
Interfaces	USB-C
Keypad	10 keys
Notifications	Speaker, Multi-color LEDs, Vibration
Power Supply Input	AC 100 to 240 V (50 to 60 Hz)
Power Supply Output	DC5 V, 2 A
Rear camera	8 MP, Auto focus, LED flash
SIM/TF	Dual SIM: 1 SIM card, 1 Micro SIM Card
Touch Panel	Capacitive touchscreen
Weight	270 g (including battery)

Wireless

GPS	GPS (AGPS), GLONASS
RFID	13.56MHz RFID ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693
WLAN RADIO	IEEE 802.11 a/b/g/n/ac, compatible with 11 d/h/i/k/r/v/w, support 2.4GHz and 5GHz

WPAN RADIO	Bluetooth 5.0 (backward compatible)
WWAN RADIO	2G: GSM:850/900/1800/1900MHz; 3G: WCDMA: B1/B2/B5/B8; TD-SCDMA: B34/B39; CDMA 1x/EVDO:BC0; 4G: FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B28; TDD-LTE: B34/B38/B39/B40/B41

Environmental

Drop	1.5 m
Drop with Rubber Boot	1.8 m
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, SOTI, Airwatch
Terminal Emulation (compatible)	StayLinked, Ivanti Velocity

Certifications

Certifications Hardware	CE RED, FCC ID, EN 62471, RoHS, Laser safety (Class II)

Warranty

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

Accessories

Accessories Optional	Charging cradle, Pistol grip, Hand strap, Wrist holster, 4-slot battery charger, Battery, Screen protector
Accessories Standard	Battery, AC adapter, USB cable, Rubber boot, Screen protector

Newland AIDC EMEA
SCANNING MADE SIMPLE

Newland AIDC EMEA
Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

Specifications are subject to change without notice

© Newland AIDC EMEA 2026 - All rights reserved