Newland AIDC
SCANNING MADE SIMPLE

1D & 2D
Android 8.1
Ndevor
Megapixel
GMS
Laser aimer
5.0" screen
Touchscreen
Micro USB
4500 mAh
Micro SD
Camera
1.5m drop
IP65
4G
WIFI Dual Band
Bluetooth 4.2
GPS
Acuscan
Warranty 2 Years



MT90 Orca II

Mobile Computers

Features

Full touchscreen mobile computer.
The MT90 Orca II 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 II 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 II 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 II has a 3.8V 4500 mAh battery that

Business-class durability.
The MT90 Orca II 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 (optional).
The MT90 Orca II has models with and without Google Mobile Services (GMS). GMS offers 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 II are included in the package, namely: USB cable, battery, and AC adapter. Various pistol grips, including both UHF and long-range, holsters, multi-charging cradles, communication (USB) cradle and vehicle cradle kit





Suggested industries

Retail
Logistics
Hospitality
Events
Healthcare

MT90 Orca II Technical specifications

Data Capture	
1D	All major 1D symbologies
2D	All major 2D symbologies
Image Sensor	1280x800 CMOS
Aiming	Laser diode
Illumination	White LED (625±10nm)
Performance	
Operating System	Android 8.1 - GMS
Processor	1.5GHz quad-core 64-bit
Memory RAM	2GB
Memory Flash	16GB
Memory Storage Expansion (max.)	Micro SD card (max. 32GB)
Physical	
Audio	Microphone / speaker
Audio Jack	3.5mm earphone
Battery Type	3.8V, 4500mAh
Buttons	Side Keys Volume+, Volume-, Left Scan Key, Right Scan Key, Power Button, Function Key, Keypad (4 Keys)
Camera	8 megapixels, auto focus, with LED flashlight
Dimensions (mm)	155(L) × 78.5(W) × 20.5(H)mm
Display	5” full colour (1280×720)
Expansion Slot	Micro SD card (max. 32GB)
Expected Battery Life	10 hours
Expected Charge Time	5 hours (charge via AC adapter)
Interfaces	Micro USB OTG
Keypad	10 keys (side keys included)
Notifications	Vibrator, speaker and multi-color LED
Pogo Pin	√
Power Supply Input	DC5V, 2A

Newland AIDC EMEA

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MT90 Orca II Technical specifications

Power Supply Output	AC100~240V, 50~60Hz
SIM/TF	Dual SIM: 1 SIM card, 1 Micro SIM Card
Touch Panel	Capacitive touch screen
Weight	265g (including battery)
Wireless	
WWAN RADIO	2G: GSM (850/900/1800/1900MHz) 3G: WCDMA (B1, B2, B5, B8),TD-SCDMA (B34, B39), CDMA 1x/EVDO (BC0) 4G: TDD-LTE (B38, B39, B40, B41(100m)), FDD-LTE (B1, B2, B3, B5, B7, B8, B2, B28a&b)
WLAN RADIO	IEEE 802.11 a/b/g/n, 2.4GHz and 5GHz
WPAN RADIO	Bluetooth 4.2 LE, backward compatible
GPS	GPS (AGPS), GLONASS
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)
Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
Drop	1.5m, 1.8m with rubber boot
IP Rating	IP65
Accessories	
Standard	Battery, AC adapter, USB cable, Rubber Boot
Optional	Charging Cradle, Pistol Grip, Long Range Pistol Grip, UHF Pistol Grip, Wrist Strap, Hand Strap, 3 Slot Cradle, 4 Slot Battery Charger, High Capacity Battery
Software	
MDM (certified)	Ndevor, SOTI, Airwatch
Terminal Emulation (compatible)	StayLinked, Ivanti Velocity
Configuration Tools	Ndevor
Certifications	
Hardware	CE RED, FCCID, RoHS, IEC6247, Laser safety (Class II)

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Warranty

Standard	2 years

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