



MT90 Orca Pro II
Mobile Computers

Features

Full touchscreen mobile computer.

Like the rest of its series, the MT90 Orca Pro II is an Android mobile computer that packs all of the latest hardware into 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 rugged consumer phone, the MT90 Orca Pro II is easy to set up and use right out of the box.

Android Enterprise Recommended (AER).

The MT90 Orca Pro II 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.

Fast Charging and long operating time.

The MT90 Orca Pro II has fast charging for its standard 3.8V 4500mAh and its extended capacity 6500mAh battery. Both batteries are replaceable, allowing the user to operate across multiple shifts, day by day.

Powerful and accurate barcode scanning.

The MT90 Orca Pro II's megapixel scanner is built in at the top of the device and can be triggered with a virtual button on the screen, physical buttons on the side of the device, or via the trigger on the handle of the PG90 Pistol grip. Newland's Acuscan function makes the unit ideal for picking applications.

Business-class durability.

The MT90 Orca Pro II is built to withstand dusty environments and inevitable bumps and drops. It has Gorilla® Glass, a rating of IP65, and has been drop-tested up to 1.5m, ensuring longer and more reliable use.

Accessories that match your operations.

A wide range of accessories for the MT90 Orca Pro II are included in the package, namely: USB cable, battery, rubber boot, and multi-plug adapter. Various pistol grips, including both UHF and long range, holsters, multi-charging cradles, communication (USB) cradle and vehicle cradle kit are also available for the MT90 Orca Series.



Suggested industries



Retail



Warehousing



Logistics



Hospitality



Events

MT90 Orca Pro II Technical specifications

Data Capture

1D	All major 1D symbologies
2D	All major 2D symbologies
Image Sensor	1280 x 800 CMOS
Aiming	Red LED (650nm laser diode)
Illumination	White LED

Performance

Operating System	Android 11 - GMS, Android Enterprise Recommended (AER)
Processor	2.0GHz octa-core 64-bit
Memory RAM	6GB
Memory Flash	128GB

Physical

Battery Type	3.8V, 4500mAh
Buttons	Side Keys Volume+ ,Volume- , Left Scan Key, Right Scan Key, Power Button, Function Key, Keypad (4 Keys)
Camera	Front 2.0 megapixels, Rear 8 megapixels, autofocus, with LED flashlight
Dimensions (mm)	155(W) x 78(D) x 20(H)mm
Display	5" full colour (1280x720)
Expansion Slot	Micro SD card (max. 128GB)
Interfaces	USB-C
Keypad	10 keys (side keys included)
Notifications	Vibrator, speaker and multi-color LED
Power Supply Input	AC110 ~ 220V, 50~60Hz
Power Supply Output	DC5V,2A
SIM	Dual SIM: 1 SIM card, 1 Micro SIM Card
Touch Panel	Capacitive touch screen, Gorilla® Glass
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	802.11 a/b/g/n/ac, compatible with d/h/i/k/r/v/w, support 2.4GHz and 5GHz
WPAN RADIO	Bluetooth 5.0 BLE, backward compatible
RFID	13.56MHz RFID ISO14443A/B, MI FARE, FeliCa, NFC Forum Tags, ISO15693
GPS	Galileo, GLONASS, GPS (AGPS)

Environmental

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)

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

Feel free to contact us or a partner near you

visit newland-id.com/partners

Specifications are subject to change without notice

© Newland EMEA 2023, all rights reserved

MT90 Orca Pro II Technical specifications

Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
--------------------------------	--

Drop	1.5m
------	------

IP Rating	IP65
-----------	------

Accessories

Standard	Battery, AC adapter, USB-C 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, Glass screen protector (SPMT90)
----------	---

Software

MDM (certified)	Ndevor, SOTI, Airwatch
-----------------	------------------------

Terminal Emulation (compatible)	StayLinked, IVANTI Velocity
---------------------------------	-----------------------------

Configuration Tools	Ndevor
---------------------	--------

Warranty

Standard	2 years
----------	---------

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

Feel free to contact us or a partner near you

visit newland-id.com/partners

Specifications are subject to change without notice

© Newland EMEA 2023, all rights reserved