



**MT90 Orca Pro**  
Mobile Computers

## Features

### Full touchscreen mobile computer.

Like the rest of its series, the MT90 Orca Pro 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 is easy to set up and use right out of the box.

### Android Enterprise Recommended (AER).

The MT90 Orca Pro carries Google's AER seal of approval, signalling 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. MT90 Orca Pro is also available without Google Mobile Services (GMS), a more streamlined consideration for applications that remain inside the four walls.

### Fast Charging and long operating time.

The MT90 Orca Pro 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'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 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 are included in the package, namely: single slot charging & communication (USB) cradle, rubber boot, hand strap and wrist lanyard. Various pistol grips, including both UHF and long range, holsters, multi-charging cradles and vehicle cradle kit are also available for the MT90 Orca Series.



## Suggested industries



Events



Logistics



Retail



Transportation



Warehousing

# MT90 Orca Pro Technical specifications

## Performance

Image Sensor	1280 x 800 CMOS
Operating System	Android 10 - GMS, Android Enterprise Recommended (AER)
Processor	Qualcomm Snapdragon 1.8GHz octa-core 64-bit
Memory RAM	4GB
Memory Flash	64GB
Memory Storage Expansion (max.)	Micro SD card (max. 128GB)
Illumination	White LED
Aiming	Red LED (650nm laser diode)
Depth of Field EAN 13 (13mil)	60-420mm
Depth of Field Code 39 (5mil)	102-205mm
Depth of Field PDF417 (6.67mil)	90-173mm
Depth of Field Data Matrix (10mil)	110-275mm
Depth of Field QR (15mil)	40-230mm
Field of View Horizontal	44°

## Data Capture

1D	All major 1D symbologies, including Code 128, UCC/EAN-128, AIM 128, EAN-8, JAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 25, ITF-6, ITF-14, Deutsche 14, Deutsche 12, COOP 25, Matrix 25, Industrial 25, Standard 25, Code 39, Codabar/NW7, Code 93, Code 11, Plessey, MSI/Plessey, GS1 Databar.
2D	All major 2D symbologies, including PDF417, QR Code, Data Matrix, Chinese Sensible Code.

## Physical

Dimensions (mm)	155(W) x 78(D) x 20(H)mm
Weight	265g (including battery)
Display	5" full colour (1280x720)
Touch Panel	Capacitive touch screen, Gorilla® Glass
Keypad	10 keys (side keys included)
Buttons	Side Keys Volume+ ,Volume- , Left Scan Key, Right Scan Key, Power Button, Function Key, Keypad (4 Keys)
Interfaces	Micro USB
Battery Type	3.8V, 4500mAh
Notifications	Vibrator, speaker and multi-color LED
Power Supply Input	AC110 ~ 220V, 50~60Hz
Power Supply Output	DC5V,2A
Expansion Slot	Micro SD card (max. 128GB)
Camera	Front 2.0 megapixels, Rear 13 megapixels, autofocus, with LED flashlight

## 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](mailto:info@newland-id.com)

[newland-id.com](http://newland-id.com)

Feel free to contact us or a partner near you

visit [newland-id.com/partners](http://newland-id.com/partners)

Specifications are subject to change without notice

© Newland EMEA 2021, all rights reserved

# MT90 Orca Pro Technical specifications

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

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

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

## 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/ac, 2.4GHz and 5GHz
------------	---

WPAN RADIO	Bluetooth 4.2 LE, backward compatible
------------	---------------------------------------

RFID	13.56MHz RFID ISO14443A/B, MI FARE, FeliCa, NFC Forum Tags, ISO15693
------	--

GPS	GPS (AGPS), GLONASS
-----	---------------------

## Accessories

Standard	Battery, AC adapter, USB cable
----------	--------------------------------

Optional	Charging Cradle, Pistol Grip, Long Range Pistol Grip, UHF Pistol Grip, Rubber Boot, Wrist Strap, Hand Strap, 3 Slot Cradle, 4 Slot Battery Charger, High Capacity Battery
----------	---

## Software

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

MDM (certified)	Ivanti
-----------------	--------

Terminal Emulation (compatible)	StayLinked
---------------------------------	------------

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

## Warranty

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

### Newland EMEA HQ

+31 (0) 345 87 00 33

[info@newland-id.com](mailto:info@newland-id.com)

[newland-id.com](http://newland-id.com)

Feel free to contact us or a partner near you

visit [newland-id.com/partners](http://newland-id.com/partners)

Specifications are subject to change without notice

© Newland EMEA 2021, all rights reserved