



MT90 Orca Pro

Mobile Computers

		4,500 mAh			
1.5m drop	1D & 2D		4G	5.0" screen	Acuscan
					
AER	Android 10	Bluetooth 4.2	Camera	GMS	GPS
					
IP65	Laser aimer	Megapixel	Micro SD	Micro USB	Ndevor
					
NFC	Touchscreen	Warranty 2 Years	WIFI Dual Band		



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: 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.

TECHNICAL SPECIFICATIONS

MT90 Orca Pro

Data Capture

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

Performance

Current Operating System	Android 10, GMS, Android Enterprise Recommended (AER)
Memory Flash	64GB
Memory RAM	4GB
Memory Storage Expansion (max.)	Micro SD card (max. 128GB)
Processor	1.8 GHz octa-core, 64-bit Qualcomm Snapdragon

Physical

Battery Type	3.8 V, 4500 mAh
Buttons	Side Keys Volume+ ,Volume- , Left Scan Key, Right Scan Key, Power Button, Function Key, Keypad (4 Keys)
Dimensions	155(W) x 78(D) x 20(H) mm
Display/Touch Panel	5” full colour (1280 × 720), Capacitive touchscreen, Gorilla glass
Expansion Slot	Micro SD card (max. 128GB)
Front camera	2 MP
Interfaces	Micro USB
Keypad	10 keys
Notifications	Speaker, Vibration, Multi-color LEDs
Power Supply Input	AC 110 to 220 V (50 to 60 Hz)
Power Supply Output	DC5 V, 2 A
Rear camera	13 MP, LED flash, Auto focus
Touch Panel	Capacitive touchscreen, Gorilla glass
Weight	265 g (including battery)

Wireless

GPS	GLONASS, Galileo, GPS (AGPS)
RFID	13.56MHz RFID ISO14443A/B, MI FARE, FeliCa, NFC Forum Tags, ISO15693
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 4.2 LE, 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: TDD-LTE (B38, B39, B40, B41(100m)), FDD-LTE (B1, B2, B3, B5, B7, B8, B2, B28a&b)

Environmental

Drop	1.5 m
Electro Static Discharge (ESD)	±8 kV (direct discharge), ±15 kV (air 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

Warranty

Warranty Standard	2 Years
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Accessories

Accessories Standard	USB cable, Rubber boot, Battery, AC adapter
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Newland AIDC EMEA

Feel free to contact us or a partner near you.

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Specifications are subject to change without notice

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