Newland
SCANNING MADE SIMPLE

1d	2d	megapixel	android	gms	ndevor
5.0" color screen	ip65	1.5m drop	4g	nfc	wifi
bluetooth	gps	camera	micro sd	usb	4500 mah

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.

Application Scenarios

field workforce   healthcare   logistics   postal

retail   warehousing

Performance		
	Operating System	Android 10, non GMS and GMS versions available
	Processor	Qualcomm Snapdragon 1.8GHz octa-core 64-bit
	Memory RAM	4GB
	Memory Flash	64GB
	Memory Storage Expansion (Max.)	Micro SD card (max. 128GB)
	Image Sensor	1280 x 800 CMOS
	Illumination	White LED
	Aiming	Red LED(650nm laser diode)
	Depth of Field EAN13 (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	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	PDF417, QR Code, Data Matrix, Chinese Sensible Code, etc.

Physical		
	Dimensions (mm)	155(W) × 78(D) × 20(H)mm
	Weight	265g (including battery)
	Display	5" (1280×720)
	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)
	Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
	Drop	1.5m
	Sealing	IP65

Wireless		
	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 dual frequency
	WPAN Radio	Bluetooth 4.2 LE, backward compatible
	RFID	13.56MHz RFID ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693
	GPS	GPS (AGPS), GLONASS

Accessories		
	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
	Standard	Battery, AC adapter, USB cable

Device Management		
	Software	Ndevor by Newland (MDM), SOTI (MDM)

Warranty		
	Warranty	2 years

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