



**MT90 Orca
(WiFi only)**
mobile computers

Features

Full touchscreen mobile computer.

The MT90 Orca (WiFi only) 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 (WiFi only) is easy to set up and use right out of the box.

Snappy 1D and 2D barcode scanning.

Developed for quick and efficient barcode scanning, the MT90 Orca (WiFi only) ensures maximum productivity. Its 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 (WiFi only) has a 3.8V 4500 mAh battery that allows you to use the device all day without problem. Additionally, the battery is replaceable, allowing you to use a spare battery if needed.

Business-class durability.

The MT90 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, ensuring longer and more reliable use.

Buckets: Newland's MDM software.

Buckets allows you to monitor and manage all devices in the field from one central administrated location. This MDM software enables you to distribute your APK's, change OS version or settings and many other functions. Buckets MDM software is pre-installed on the MT90 Orca (WiFi only) and includes up to 7 years license-free use.

Accessories that match your operations.

A wide range of accessories for the MT90 Orca (WiFi only) are included in the package, namely: single slot charging & communication (USB) cradle, rubber boot, hand strap and wrist lanyard. Pistol grip, holster and POE/ Ethernet cradle are optional.

Current Models.

MT9052-2WO - without cradle MT9052-2WO-C - with cradle



Application Scenarios



logistics



retail



warehousing

MT90 Orca (WiFi only) technical specifications

Performance	Operating System	Android 8.1
	Processor	1.5GHz quad-core 64-bit processor
	Memory RAM	2GB
	Memory Flash	16GB
	Memory Storage Expansion (Max.)	Micro SD card (max. 32GB)
	Image Sensor	E2 640°480
	Illumination	Red LED(625±10 nm)
	Aiming	Red LED(625±10 nm)
	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
	Minimal Print Contrast	25%
	Scan Angle Roll	360°
	Field of View Horizontal	44°
	Field of View Vertical	33°
Data capture	1D	Code128, UCC/EAN-128, AIM-128, EAN-8, JAN-8, EAN-3, ISBN/ISSN, UPC-E, UPC-A, Interleave 2/5, ITF-6, ITF-14, Deutsche 14, Deutsche 12, COOP25, Matrix2/5, Industrial2/5, Standard25, Code39, Codabar/NW7, Code 93, Code 11, Plessey, MSI/Plessey, GS1 Databar, etc.
	2D	PDF417, QR Code, Data Matrix, etc.
Physical	Dimensions (mm)	155(L) × 78(W) × 20(H)mm
	Weight	265g (including battery)
	Material	PC
	Display	5" (1280×720)
	Touch panel	Capacitive touch screen
	Keypad	10 keys (side keys included)
	Buttons	Volume+, Volume-, Left Scan Key, Keypad(4 Keys),
	Interfaces	Micro USB 2.0 OTG
	Battery Type	3.8V, 4500mAh
	Expected Battery Life	10 hours
	Expected Charge Time	5 hours (charge via AC adapter)
	Notifications	Vibrator, speaker and multi-color LED
	Power Supply Input	DC5V, 2A
	Power Supply Output	AC100~240V, 50~60Hz
	Audio	Microphone / speaker
	Audio Jack	3.5mm earphone
	Pogo Pin	√
Environmental	Expansion Slot	Micro SD card (max. 32GB)
	Camera	8 megapixels, auto focus, with LED flashlight
	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)
Wireless	Drop	1.5m
	Sealing	IP65
Wireless	WLAN Radio	IEEE 802.11 a/b/g/n, 2.4GHz and 5GHz
	WPAN Radio	Bluetooth 4.0 LE
	RFID	13.56MHz RFID ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693
Accessories	Optional	Charging Cradle, Pistol Grip, Rubber Boot, Wrist Strap, Hand Strap.
	Standard	Battery, AC adapter, USB cable
MDM	Buckets	Supported
	SOTI	Supported
Certifications	Certifications	CE RED, FCCID, RoHS, IEC6247, Laser safety(Class II)