Newland
SCANNING MADE SIMPLE

1d	2d	cmos megapixel	android 7.0	buckets	5.0" color screen
ip65	1.5m drop	4g	wifi dual band	rfid	bluetooth
gps	gprs	8mp camera	micro sd	usb	4500 mah

MT90 Orca
mobile computers

Features

Full touchscreen mobile computer.

The MT90 Orca 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 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 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 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 and includes up to 7 years license-free use.

Accessories that match your operations.

A wide range of accessories for the MT90 Orca 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.

Application Scenarios

field workforce	healthcare	logistics	postal
retail	warehousing		

MT90 Orca technical specifications

Performance		
	Operating System	Android 7.0
	Processor	1.3GHz 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°
	Scan Modes	Trigger Mode, Sense Mode
	Scan Rate	100 frames per second

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(L) × 78.5(W) × 20.5(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
	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	√
	Expansion Slot	Micro SD card (max. 32GB)
	Camera	8 megapixels, auto focus, with LED flashlight
	SIM	1 SIM card,1 Micro SIM Card

Environmental		
	Operating Temperature	-20°C to 55°C (-4°F to 131°F)
	Storage Temperature	-30°C to 70°C (-22°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		
	WWAN Radio	2G: GSM/GPRS/EDGE (850/900/1800/1900MHz) 3G: WCDMA (B1, B2, B5, B8),TD-SCDMA (B34, B39),CDMA2000 1X/ EV-DO Rev. A (BC0) 4G: TD-LTE (B38, B39, B40, B41),FDD-LTE (B1, B3, B7, B8, B20)
	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
	GPS	GPS (AGPS), GLONASS

Accessories		
	Optional	Charging Cradle, Pistol Grip, Rubber Boot, Wrist Strap, Hand Strap.
	Standard	Battery, AC adapter,USB cable

MDM		
	SOTI	Supported

Certifications		
	Certifications	CE RED,FCCID,RoHS,IEC6247,Laser safety(Class II)

Feel free to contact us or a partner near you
visit newland-id.com/partners

Newland
SCANNING MADE SIMPLE