Newland
SCANNING MADE SIMPLE

1d | 2d | megapixel | android | ndevor | acuscan

gms | micro sd | 5.0" color screen | ip65 | 1.5m drop | 4g

wifi dual band | bluetooth | gps | camera | usb | warranty 2 years



MT90 Orca Lite

mobile computers

Features

Full touchscreen mobile computer.

The MT90 Orca Lite 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 Lite is easy to set up and use right out of the box.

Megapixel barcode scanning.

Developed for quick and efficient barcode scanning, the MT90 Orca Lite ensures maximum productivity. Its megapixel 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 Lite 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 Orca Lite 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, or 1.8m with a rubber boot, ensuring longer and more reliable use.

GMS (optional).

The MT90 Orca Lite has models with and without Google Mobile Services (GMS). GMS offers integrated Google applications such as Gmail, Google Maps and Google Play Store.

Accessories that match your operations.

A wide range of accessories for the MT90 Orca Lite are included in the package, namely: single slot charging & communication (USB) cradle, rubber boot, hand strap and wrist lanyard. Pistol grip, UHF pistol grip, long-range pistol grip and holsters are optional





Application Scenarios

distribution centers | field workforce | healthcare | industrial | logistics

retail | warehousing

MT90 Orca Lite technical specifications

Performance	Operating System	Android 8.1, non GMS and GMS versions available
	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	CMOS 640 x 480
	Illumination	White LED (625±10nm)
	Aiming	Laser diode
	Depth of Field EAN13 (13mil)	60-330 mm
	Depth of Field CODE 39 (5mil)	65-150 mm
	Depth of Field PDF417 (6.67mil)	60-120 mm
	Depth of Field Data Matrix (10mil)	50-120 mm
	Depth of Field QR (15mil)	35-180 mm
	Minimal Print Contrast	25%
	Scan Angle Roll	360°
	Field of View Horizontal	42°
	Field of View Vertical	31.5°
	Scan Modes	Trigger Mode, Sense Mode
	Scan Rate	60 frames per second
Data capture	1D	All major 1D barcodes
	2D	QR Code, Data Matrix,Micro PDF, Micro QR, PDF417, 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	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
	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	Duel SIM: 1 SIM card, 1 Micro SIM Card
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, 1.8m with rubber boot
	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 4.1 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 (MDM, Device Configuration), SOTI (MDM), Airwatch (MDM), StayLinked (TE)
Certifications	Certifications	CE RED, FCCID, RoHS, IEC6247, Laser safety (Class II)

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