







MT90 Orca III

Mobile Computers

 1.5m drop	 1D & 2D	 4,500 mAh	 4G	 5.0" screen	 Acuscan
 Android 11	 Bluetooth 5.0	 Camera	 GMS	 GPS	 IP65
 Laser aimer	 Megapixel	 Micro SD	 Ndevor	 NFC	 Touchscreen
 USB-C	 Warranty 2 Years	 WIFI Dual Band			



Features

Full touchscreen mobile computer.

The MT90 Orca III 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 III 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 III 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 III 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 III 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.

The MT90 Orca III offers Google Mobile Services (GMS) with 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 III 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.



Data Capture

1D	All major 1D symbologies
2D	All major 2D symbologies
Aiming	Laser diode
Illumination	White LED (625±10nm)
Image Sensor	1280 x 800 CMOS
Scan Modes	Trigger Mode
Scan Rate	60 frames per second

Performance

Current Operating System	Android 11, GMS
Memory Flash	64GB
Memory RAM	4GB
Memory Storage Expansion (max.)	Micro SD card (max. 128GB)
Processor	2.0 GHz octa-core, 64-bit

Physical

Audio	Speaker, Microphone
Audio Jack	3.5mm earphone jack
Battery Type	3.8 V, 4500 mAh, swappable
Buttons	Side Keys Volume+, Volume-, Left Scan Key, Right Scan Key, Power Button, Function Key, Keypad (4 Keys)
Dimensions	155(W) × 78(D) × 20(H) mm
Display	5" full colour (1280 × 720)
Expansion Slot	Micro SD card (max. 128GB)
Expected Battery Life	10 hours
Expected Charge Time	5 hours (charge via AC adapter)
Interfaces	USB-C
Keypad	10 keys
Notifications	Speaker, Vibration, Multi-color LEDs
Power Supply Input	AC 100 to 240 V (50 to 60 Hz)
Power Supply Output	DC5 V, 2 A
Rear camera	LED flash, Auto focus, 8 MP
SIM/TF	Dual SIM: 1 SIM card, 1 Micro SIM Card
Touch Panel	Capacitive touchscreen
Weight	270 g (including battery)

Wireless

GPS	GLONASS, GPS (AGPS)
RFID	13.56MHz RFID ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693
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
WPAN RADIO	Bluetooth 5.0 (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: FDD-LTE: B1/B2/B3/B5/B7/B8/B20/B28; TDD-LTE: B34/B38/B39/B40/B41

Environmental

Drop	1.5 m
Drop with Rubber Boot	1.8 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

Certifications

Certifications Hardware	FCC ID, CE RED, RoHS, Laser safety (Class II), EN 62471
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Warranty

Comprehensive Service Contract	3 Years, 5 Years
Warranty Extension	+1 Year, +3 Years
Warranty Standard	2 Years

Accessories

Accessories Optional	4-slot battery charger, Charging cradle, Pistol grip, Battery, Screen protector, Wrist holster, Hand strap
Accessories Standard	USB cable, Rubber boot, Battery, Screen protector, AC adapter

**Newland AIDC EMEA**

Feel free to contact us or a partner near you.
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