



MT90 Orca II
Mobile Computers

Features

Full touchscreen mobile computer.

The MT90 Orca II 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 II 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 II 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 II 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 II 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 II 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 II are included in the package, namely: USB cable, battery, and AC adapter. Various pistol grips, including both UHF and long-range, holsters, multi-charging cradles, communication (USB) cradle and vehicle cradle kit are also available for the MT90 Orca Series.



Suggested industries



Events



Healthcare



Hospitality



Logistics



Retail

MT90 Orca II Technical specifications

Data Capture

1D	All major 1D symbologies
2D	All major 2D symbologies
Image Sensor	1280x800 CMOS
Illumination	White LED (625±10nm)
Aiming	Laser diode

Performance

Operating System	Android 8.1 - GMS
Processor	1.5GHz quad-core 64-bit
Memory RAM	2GB
Memory Flash	16GB
Memory Storage Expansion (max.)	Micro SD card (max. 32GB)

Physical

Dimensions (mm)	155(L) × 78.5(W) × 20.5(H)mm
Weight	265g (including battery)
Display	5" full colour (1280x720)
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 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	√
Expansion Slot	Micro SD card (max. 32GB)
Camera	8 megapixels, auto focus, with LED flashlight
SIM	Dual 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)

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Specifications are subject to change without notice

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MT90 Orca II Technical specifications

Drop	1.5m, 1.8m with rubber boot
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IP Rating	IP65
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Wireless

WWAN RADIO	2G: GSM (850/900/1800/1900MHz) 3G: WCDMA (B1, B2, B5, B8), TD-SCDMA (B34, B39), CDMA 1x/EVDO (BC0) 4G: TDD-LTE (B38, B39, B40, B41(100m)), FDD-LTE (B1, B2, B3, B5, B7, B8, B2, B28a&b)
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WLAN RADIO	IEEE 802.11 a/b/g/n, 2.4GHz and 5GHz
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WPAN RADIO	Bluetooth 4.2 LE, backward compatible
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RFID	13.56MHz RFID ISO14443A/B, MIFARE, FeliCa, NFC Forum Tags, ISO15693
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GPS	GPS (AGPS), GLONASS
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Accessories

Standard	Battery, AC adapter, USB cable, Rubber Boot
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Optional	Charging Cradle, Pistol Grip, Long Range Pistol Grip, UHF Pistol Grip, Wrist Strap, Hand Strap, 3 Slot Cradle, 4 Slot Battery Charger, High Capacity Battery
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Software

MDM (certified)	Ndevor, SOTI, Airwatch
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Terminal Emulation (compatible)	StayLinked, Ivanti Velocity
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Configuration Tools	Ndevor
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Certifications

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

Standard	2 years
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