



**MT90 Orca II**  
Mobile Computer

## 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 into 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 IP68 and has been drop tested up to 1.5m, or 1.8m with a rubber boot, ensuring longer and more reliable use.

### OMS

The MT90 Orca II offers Google Mobile Services (OMS) 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 II are included in the package, namely: single slot charging & communication (USB) cradle, rubber boot, hand strap and wrist lanyard. Field grip, UHF pistol grip, King-king pistol grip and hobbles are optional.



## Suggested Industries



# MT90 Orca III Technical specifications

## Data System

Q1 40-megapixel 1/2.8" sensor

Q2 40-megapixel 20x hybrid zoom

Image Sensor 1000000-20000

Aperture Laser Blade

Illumination White LED (RGB + Blue)

Scan Model Image Assist

Scan Rate 80 frames per second

## Performance

Operating System Android 10 + QAS

Processor 2.0GHz octa-core 64-bit

Memory RAM 8GB

Memory Flash 64GB

Memory Storage Expansion (max.) Micro SD card (max. 128GB)

## Physical

Audio Microphone + speaker

Audio Jack 3.5mm headphone

Battery Type Li-Ion 4000mAh

Buttons Side Keys (Home, Volume), Left Power Key, Right Power Key, Power Button, Function Key, Keypad (4 Keys)

Camera 8 megapixel, auto-focus, with LED flashlight

Dimensions (mm) 185(L) x 76(W) x 20(H)mm

Display 5" full screen 1080x1920

Expansion Slot Micro SD card (max. 128GB)

Expected Battery Life 18 hours

Expected Charge Time 3 hours (charge via AC adapter)

Interface USB-C

Keypad 18 keys (side keys included)

Notifications Vibrate, speaker and multi-color LED

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Power Supply Input DC5V/2A

Power Supply Output AC100-240V 50-60Hz

SIM Dual SIM, 1 SIM card, 1 Micro SIM card

Touch Panel Capacitive touch screen

Weight 170g (including battery)

## Network

WWAN RADIO 2G (GSM/GPRS/EDGE) 3G (HSPA/LTE) 4G (LTE/LTE-A) 5G (NR) 802.11a/b/g/n/ac/ax, BT/BLE/BLE Mesh, NFC, DLNA, USB, DisplayPort, Wi-Fi Direct, Wi-Fi Protected Setup, VoWiFi, VoLTE, VoNR, eSIM

WLAN RADIO IEEE 802.11 a/b/g/n/ac/ax, compatible with 11, 20MHz, support 2.4GHz and 5GHz

# MT90 Orca III Technical specifications

WLAN RADIO	Bluetooth 5.0 (backward compatible)
RFID	13.56MHz RFID (ISO 14443A/B, ISO15693, FeliCa MPC Forum Tags, ISO18092)
GPS	GPS (AGPS), GLONASS
<b>Environmental</b>	
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 85% (non-condensing)
Electro-Static Discharge (ESD)	±15kV (air discharge), ±5kV (direct discharge)
Drops	1.5m, 1.8m with rubber foot
IP Rating	IP55
<b>Accessories</b>	
Standard	Battery, AC adapter, USB cable, Rubber Boot
Optional	Charging Cradle, Pistol Grip, Long Range Pistol Grip, LRF Pistol Grip, Wrist Strap, Head Strap, 3.5kV Cradle, 4 Port Battery Charger, High Capacity Battery, Screen protectors (BPM film)
<b>Software</b>	
MMIO protocols	Interix, SCPI, Axiomat
Terminal Emulation capabilities	Serial, Modem, Smart Vendors
Configuration files	Interix
<b>Compliance</b>	
FedRAMP	CS, HISS, POCIS, RAMP, BICKDUT, LARA, SANS, FCI/ISS II
<b>Warranty</b>	
Standard	2 years