# Newland
## SCANNING MADE SIMPLE

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|---|---|---|---|---|---|
| 1D & 2D | Megapixel | IP65 | 1.5m drop | 4G | 5.0" screen |
| Bluetooth 4.0 | Camera | GPS | GPRS | Micro SD | 4500 mAh |
| USB | Warranty 2 Years | WIFI Dual Band | RFID | | |

## 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.

# Suggested industries

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|---|---|---|---|---|
| Healthcare | Logistics | Postal | Retail | Warehousing |

## Performance

| | |
|---|---|
| Image Sensor | CMOS 1280x800 |
| 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) |
| Illumination | Red LED(625±10 nm) |
| Aiming | Red LED(625±10 nm) |
| Depth of Field EAN 13 (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

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|---|---|
| 1D | All major 1D symbologies, including 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 | All major 2D symbologies, including PDF417, QR Code, Data Matrix, Chinese Sensible Code. |

## 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 |

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|---|---|
| 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

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|---|---|
| Operating Temperature | -20℃ to 55℃ (-4°F to 131°F) |
| Storage Temperature | -30℃ to 70℃ (-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 |
| IP Rating | IP65 |

## Wireless

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|---|---|
| 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

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

## Software

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|---|---|
| MDM (certified) | Buckets, SOTI |
| Terminal Emulation (compatible) | StayLinked |

## Certifications

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

## Warranty

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|---|---|
| Standard | 2 years |

Feel free to contact us or a partner near you

visit newland-id.com/partners

Specifications are subject to change without notice

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