



**MT65 Beluga III**  
mobile computers

## Features

### Megapixel barcode scanner.

Armed with Newland's fifth generation of UIMG technology 2D megapixel barcode reader, the MT65 Beluga III has an excellent scanning performance. The higher resolution means even small barcodes can be read from a longer distance. That means it is now easier to scan a barcode on a shelf or on a box on the ground without needing to get the mobile computer closer.

### Android 7.0 Nougat OS.

The Android OS of the MT65 Beluga III ensures near endless application possibilities. It gives you the data security and admin tools you need for control and complete peace-of-mind.

### Rugged construction.

The MT65 Beluga III is sealed to IP65 standards for protection against dust and water and withstands 1.2m drops to concrete.

### Extended battery life.

The MT65 Beluga III provides up to 10 hours of battery life, so it is sure to last a full shift for average applications. Is your application more intensive? A replaceable battery and charging cradle with extra battery slot ensure employees can easily switch it out and continue scanning.

### Buckets MDM software included.

Each MT65 Beluga III includes Newland's mobile device management software: Buckets. Buckets enables you to control all units in the field, allowing you to quickly push updates and changes, to send messages and to keep track of all devices from a single location.

### Optional Accessories.

Pistol grip, charging & communication cradle, multi charger, holster.

### Current models released.

MT6551-2W (without cradle) MT6551-2W-C (with cradle)



## Application Scenarios



logistics



postal



retail



ticketing



transportation



warehousing

# MT65 Beluga III technical specifications

|                |                                    |                                                                                                                                                                                                                                                                   |
|----------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance    | 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)                                                                                                                                                                                                                                         |
|                | Image Sensor                       | CMOS 1280 x 960                                                                                                                                                                                                                                                   |
|                | Illumination                       | Red LED (625±10nm)                                                                                                                                                                                                                                                |
|                | Aiming                             | Laser diode                                                                                                                                                                                                                                                       |
|                | Depth of Field EAN13 (13mil)       | 45-380mm                                                                                                                                                                                                                                                          |
|                | Depth of Field CODE 39 (5mil)      | 75-180mm                                                                                                                                                                                                                                                          |
|                | Depth of Field PDF417 (6.67mil)    | 70-170mm                                                                                                                                                                                                                                                          |
|                | Depth of Field Data Matrix (10mil) | 50-180mm                                                                                                                                                                                                                                                          |
|                | Depth of Field QR (15mil)          | 40-220mm                                                                                                                                                                                                                                                          |
|                | Minimal Print Contrast             | 25%                                                                                                                                                                                                                                                               |
|                | Scan Angle Roll                    | 360°                                                                                                                                                                                                                                                              |
|                | Field of View Horizontal           | 49.5°                                                                                                                                                                                                                                                             |
|                | Field of View Vertical             | 37°                                                                                                                                                                                                                                                               |
|                | Scan Modes                         | Trigger Mode, Sense Mode                                                                                                                                                                                                                                          |
|                | Scan Rate                          | 60 frames per second                                                                                                                                                                                                                                              |
| Data capture   | 1D                                 | 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                                 | PDF417, QR Code, Data Matrix, Aztec, etc.                                                                                                                                                                                                                         |
| Physical       | Dimensions (mm)                    | PDA:166(L) × 73(W) × 26(H) Cradle:                                                                                                                                                                                                                                |
|                | Weight                             | PDA:330g (including battery) Cradle:                                                                                                                                                                                                                              |
|                | Material                           | PC, ABS                                                                                                                                                                                                                                                           |
|                | Display                            | 4", WVGA (800×480)                                                                                                                                                                                                                                                |
|                | Touch panel                        | Capacitive touch screen                                                                                                                                                                                                                                           |
|                | Keypad                             | 30 keys (side keys included) with backlight                                                                                                                                                                                                                       |
|                | Buttons                            | Power Key, Left Scan Key, Right Scan Key, Volume Keys                                                                                                                                                                                                             |
|                | Interfaces                         | Micro USB                                                                                                                                                                                                                                                         |
|                | Battery Type                       | 3.7V, 3800mAh, removable                                                                                                                                                                                                                                          |
|                | Expected Battery Life              | 10 hours                                                                                                                                                                                                                                                          |
|                | Expected Charge Time               | 4.5-5 hours (charge via AC adapter)                                                                                                                                                                                                                               |
|                | Notifications                      | Vibrator, speaker and multi-color LEDs                                                                                                                                                                                                                            |
|                | Power Supply Input                 | DC5V, 2.0A                                                                                                                                                                                                                                                        |
|                | Power Supply Output                | AC100~240V, 50~60Hz                                                                                                                                                                                                                                               |
|                | Audio                              | Microphone / speaker                                                                                                                                                                                                                                              |
|                | Audio Jack                         | 3.5mm earphone                                                                                                                                                                                                                                                    |
|                | Expansion Slot                     | Micro SD card (max. 32GB)                                                                                                                                                                                                                                         |
|                | Camera                             | 8 megapixels, auto focus, with LED flashlight                                                                                                                                                                                                                     |
|                | SIM                                | 1 SIM card                                                                                                                                                                                                                                                        |
| Environmental  | Ambient Light                      | 0 ~ 100000 lux (natural light)                                                                                                                                                                                                                                    |
|                | Operating Temperature              | -20°C to 50°C (-4°F to 122°F)                                                                                                                                                                                                                                     |
|                | Storage Temperature                | -30°C to 70°C (-22°F to 158°F)                                                                                                                                                                                                                                    |
|                | Humidity                           | 5% to 95% (non-condensing)                                                                                                                                                                                                                                        |
|                | Electro Static Discharge (ESD)     | ±15 kV (air discharge), ±8 kV (direct discharge)                                                                                                                                                                                                                  |
|                | Drop                               | 1.2m                                                                                                                                                                                                                                                              |
|                | Sealing                            | IP65                                                                                                                                                                                                                                                              |
| Wireless       | WWAN Radio                         | 2G:GSM/GPRS/EDGE: B2, B3, B5, B8 (850/900/1800/1900MHz) 3G:WCDMA (B1, B2, B5, B8); CDMA2000 1X/ EV-DO Rev. A (BC0); TD-SCDMA (B34, B39) 4G:TD-LTE (B38, B39, B40, B41),FDD-LTE (B1, B3, B7, 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                                                                                                                                                                                                                                                         |
| Accessories    | Optional                           | Charging cradle, wrist strap, shoulder strap, scanner pistol grip                                                                                                                                                                                                 |
|                | Standard                           | Battery, AC adapter, USB cable                                                                                                                                                                                                                                    |
| MDM            | SOTI                               | Supported                                                                                                                                                                                                                                                         |
| Certifications | Certifications                     | FCCID, RoHS, IEC62471, EN60950                                                                                                                                                                                                                                    |