## Dustproof Industrial Data Collector MobiPad Z354CK NFC RFID

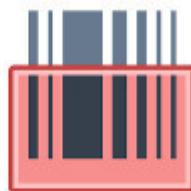| | |
|---|---|
| **Category:** | UMPC - Ruggedized |
| **Manufacturer:** | Mobilator |
| **Operating System:** | Android 5.1 |
| **Display:** | 4" (480x800px) \| IPS |
| **Brightness:** | ~200Nit |
| **Processor:** | Qualcomm MSM8909 ARM7 (4x 1.1GHz) |
| **Memory:** | 1GB |
| **Hard Drive:** | ----- |
| **Flash Memory:** | 8GB NAND |
| **Touch screen:** | Capacitive |
| **Durability:** | IP65 |
| **Drop:** | ----- |
| **Shock:** | ----- |
| **Vibration:** | ----- |
| **Temperature:** | Operating temperature: -20°C -- 55°CStorage temperature: -20°C -- 55°C |

| | |
|---|---|
| **Humidity:** | 5% -- 95% |
| **1D barcode scanner (reader):** | No (available in other configuration) |
| **2D barcode scanner (reader):** | No (available in other configuration) |
| **RFID scanner (reader):** | NFC/RFID 13.56MHz ISO14443A/B, ISO15693 |
| **Other:** | **Built-in Thermal printer** |
| **Battery:** | 3.7V 3000mAh Lithium |
| **Working time on battery:** | 7h |
| **Fast battery replacement ability:** | Yes |
| **HotSwap battery:** | No |
| **LAN:** | No |
| **WLAN:** | IEEE 802.11 b/g/n |
| **Bluetooth:** | Bluetooth 4.0 |
| **WAN:** | 4G: LTE-FDD B1 B3 B8, LTE-TDD B38 B39 B40 B413G: WCDMA Band1 Band39, TD-SCDMA Band34 Band39, CDMA BC0, DCS1800, EGSM900 |
| **GPS:** | Standard |
| **Camera:** | Rear: 8Mpx, Flash, Autofocus |
| **In/Out:** | Micro SDSIMMicro USB (OTG) |
| **Optional accessories:** | ----- |
| **Docking station connector:** | Yes |
| **VESA standard – holders and mounts support:** | No |
| **COM port:** | No |
| **Magnetic card reader (MSR):** | No |
| **Microchip card reader:** | No |
| **Contrast:** | ----- |
| **Graphics card:** | ----- |
| **Chipset:** | ----- |
| **BIOS:** | ----- |
| **Casing material:** | ----- |

| | |
|---|---|
| **Flash Card Reader:** | micro SD (max. 32GB) |
| **CD/DVD:** | ----- |
| **Audio:** | Built-in microphone and speaker |
| **Keyboard:** | Onscreen | Alphanumeric |
| **Additional Navigation Devices :** | ----- |
| **Color:** | Black |
| **Swivel Hinge:** | ----- |
| **VGA out:** | No |
| **TV Out:** | ----- |
| **TV Tuner:** | Nie |
| **Security:** | ----- |
| **Waterproof:** | IPX5 |
| **Sand and dust:** | IP6X |
| **Size:** | 244mm x 72mm x 34mm - 338g |
| **Fanless casing:** | Yes |

**Product from the Archive - production finished**



MobiPad **Z354CK**

1D/2D Barcode Scanner

NFC Reader

IP65

## SPECIFICATION

## RESISTANCE

## DATA COLLECTING

## WIRELESS COMMUNICATION

## APPLICATION

## AVAILABLE VERSIONS AND ACCESSORIES

MobiPad Z354CK is a modern, waterproof industrial data collector designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP65, which confirms the protection of the device against dust and water.

## SPECIFICATION

| MobiPad Z354CK | |
|---|---|
| Processor | Qualcomm MSM8909 ARM7 (4x 1.1GHz) |
| Graphics | N/A |
| Operating system | Android 5.1 |
| RAM | 1GB |
| ROM | 8GB NAND |
| Display | 4" | (480x 800) IPS |

## MobiPad Z354CK

| | |
|---|---|
| Touch screen | Capacitive |
| Battery | 3.7V/3000mAh |
| Camera * | Rear: 8Mpx + Flash + AF |
| Protection | IP65 |
| Communication | 3G/4G | Bluetooth | NFC | Wi-Fi | GPS |
| Connectors | Micro USB (OTG) |
| Memory card | Micro SD |
| SIM card | SIM |
| RFID Reader | NFC/RFID 13.56MHz |
| 1D Scanner * | Mindeo UE966 |
| 2D Scanner * | Newland EM2096 |

\*

Optional equipment, available on specific versions only.

ⓘ Detailed specification of the device is available in the tab "Technical data".

Dustproof industrial data collector MobiPad Z354CK was equipped with high performance, energy-efficient Qualcomm MSM8909. Inside, there are four cores that allow for more efficient processing of multiple tasks simultaneously. Shared caching, which uses a multi-level hierarchy, is dynamically allocated to each processor core according to the load. This reduces the average access time to main memory. Enhanced graphics card technology lets you enjoy full HD video and movies. Low power consumption guarantees long battery life.

## Ergonomic design

MobiPad Z354CK industrial data collector is designed for resistance and convenience. The sleek and rugged 14mm thick design and stylish case will make the data collector very well suited for industrial use and more. The unique size has been carefully thought out to make the device more comfortable and ergonomic. The non-slip casing makes it safe and secure to hold it in your hand, and the rubber corners further protect your device against possible damage as a result of falls.

| Dimensions | 244mm x 72mm x 34mm |
|---|---|
| Net weight | 338g |

## Capacitive screen

With the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched. This allows for much more precise handling and gentle brushes on the screen. In addition, we can use multitouch technology, the ability to control our tablet or the collector with a few fingers at once.

## RESISTANCE



**IP65 Protection**

The IP standard defines the degree of protection provided by the enclosure of an electrical device against such factors as: access to dangerous parts inside the enclosure, penetration of foreign matter, splashing or immersion.

| IP6X | No ingress of dust, complete protection against contact. A vacuum must be applied. Test duration of up to 8 ho |
|------|------|

| IPX5 | Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful |
|------|-----------------------------------------------------------------------------------------------------|

## Extreme temperatures

MobiPad Z354CK is suitable for continuous operation in both low and high temperatures in the range of -10 ° C to 50 ° C. When the device is off, it can handle temperatures ranging from -30 ° C to 70 ° C.

In addition, the rugged industrial data collector performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

| | |
|---|---|
| **Working Temp.** | -20°C to 55°C |
| **Storage Temp.** | -20°C to 55°C |
| **Humidity** | 0% to 95% |

## DATA COLLECTING

## NFC module

Short-range communication, known as NFC, is a radio communication standard that allows for wireless data exchange at a distance of a few centimeters. This technology is a simple extension of the proximity card standard that combines smart card interface and reader in one device. NFC devices can communicate with existing equipment in the standard ISO / IEC 14443 (cards and readers) as well as with other NFC devices, and thus are compatible with existing and already used public transport and payment

infrastructures such as MIFARE.

**NFC 13.56MHz**

Support protocols ISO/IEC
14443A/14443B/15693

Read distance up to 4cm

Bus Card

Barcode Reader allows you to read, decode and transfer stored data in barcode to your computer. Thanks to dynamic scanning method and the large range of reading, data collector is capable to carefully collecting data, which helps to increase the rate and efficiency of work. Simplified installation procedure, convenient and intuitive design allow to start scanner work very easy and quickly.

## 1D Barcode Scanner
*Mindeo UE966*

## 2D Barcode Scanner
*Newland EM2096*

## WIRELESS COMMUNICATION

## 4G Module

4G technology is based on a radio network with fast transmission and the rare occurrence of downtime or transfer errors. The main distinguishing feature of the 4G from its predecessor (3G) is the speed of transfer between devices. The fourth generation network offers 100 Mb / s of mobile internet speed and 25 Mb / s of packet transfer. Technology enables users, including: extremely fast radio networks, Internet access, personalized telephony, and access to modern media and games services.

| | |
|---|---|
| **4G Module (option)** | HUAWEI ME909S-120 FDD LTE<br>Band 1/2/3/4/5/7/8/20 |
| **3G Module** | IC:H350-A30 WCDMA 900 MHz/2100 MHz GSM/GPRS/EDGE: 900MHz/1800MHz HSDPA 7.2Mbps   HSUPA 5.76M |

## GPS Navigation

Industrial data collector MobiPad Z354CK is equipped with a professional GPS module, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.

## Bluetooth 4.0

Bluetooth enables wireless short-range communication between various electronic devices, such as the keyboard, computer, laptop, palmtop, mobile phone and many others. In the fourth version of this standard, energy consumption was reduced considerably, at the expense of lower transfer costs, and real operating coverage increased.

## Wi-Fi network

Dual-band Wi-Fi provides fast network access wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a work or residence router and a wireless network that can be used at no extra cost. The shock-resistant industrial handheld terminal, the MobiPad Z354CK, is equipped with the latest 802.11n technology, which

allows file transfer speeds up to 150 Mb/s.

| Standards | 802.11(b/g/n) |
|---|---|
| Frequencies | 2.4GHz |

## APPLICATION

### Trade and Services

Thanks to their size and light weight, tablet and smartphone data collectors are a useful tool for sales representatives. Today's applications running under the collector system enable even entering the data collector's contractor database, which allows us to later search for it quickly by name or NIP number. We can do the same with our commodity base, which can work in parallel with the database of contractors. Additional use of collectors in the trade, such as sending orders or invoices directly to the company through the GSM network or Wi-Fi.

### Industry and Construction

Industrial tablets and data collectors are characterized by high resistance to adverse working conditions. Tightness, dust and water resistance of enclosures, certified by IP (dust and water resistance standards) and often MIL-STD military standard, can withstand even the harshest conditions in industrial infrastructure or on the construction site. With appropriate applications, collectors can be used for control and control of various industrial processes, as well as for data collection and analysis.



Warehouse

An industrial data sheet is the ideal solution for quick stocktaking. In addition, depending on the software used, it streamlines the process of entering and delivering goods into the warehouse, enables price control and dispensing, helps to collect and order orders, and identifies customers and servicing the rental. The advantages of using data collectors are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.

## AVAILABLE VERSIONS AND ACCESSORIES

The                                                                        industry-leading
MobiPad Z354CK data collector is available in several versions to suit different
needs.

By clicking on the hardware configuration number you will be redirected to
the product with the parameters given in the table below.
In addition, on request, you can create a configuration not currently available
in the offer.

| | 1D Scanner | 2D Scanner | 8MP Camera |
|---|---|---|---|
| v.1 | — | — | |
| v.2 | | — | — |
| v.3 | — | | — |

We also offer a number of extra accessories for this tablet to further enhance
its functionality and comfort. Below is a list of available accessories. Click on
the "Check" link to go to the description page and the price of the accessory.

## Charging cradle



Increases the comfort of charging the data collector. Has access to the device and additional battery.

**Check**

## Additional battery



Replacing the battery is the quickest way to extend work time with the handheld terminal.

**Check**

ⓘ More pictures available in the "Gallery" tab.