



MobiPad PDA-B1



MobiPad PDA-B104 v.2 - Dustproof industrial data collector with RFID, 4G LTE, NFC and WiFi + Bluetooth 4.0 (ANDROID 7.0) - waterproof IP65

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 7.0
Display:	4" (480x800px) IPS
Brightness:	~320Nit
Processor:	MTK ARM cortex A53 Quad-core 64bits 1.3GHz
Memory:	2GB
Hard Drive:	-----
Flash Memory:	16GB
Touch screen:	Capacitive
Durability:	IP65
Drop:	1.2m
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- 55°C Storage temperature: -20°C -- 70°C

Humidity:	5% -- 95%
2D barcode scanner (reader):	No (available in other configuration)
RFID scanner (reader):	NFC/RFID 13.56MHz ISO14443A/B, ISO15693
Other:	-----
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:	No (available in other configuration)
In/Out:	1 x microUSB, 1x microUSB Type C (option), 1 x Micro SD(max.64GB), 2 x SIM, 2 x PSAM(option)
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. 64GB)
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:	162 x70 x31mm- 345g
Fanless casing:	Yes

Product from the Archive - production finished



MobiPad PDA-B104



Skaner kodów 1D/2D



Czytnik NFC



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

MobiPad PDA-B104 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 PDA-B104

Processor	MTK ARM cortex A53 Quad-core 64bits 1.3GHz
Graphics	N/A
Operating system	Android 7.0
RAM	2GB
ROM	16GB
Display	4" (480x 800) IPS

MobiPad PDA-B104

Touch screen	Capacitive	
Battery	3.7V/4000mAh	
Camera *	Rear: 5Mpx + Flash	
Protection	IP65	
Communication	3G/4G Bluetooth NFC Wi-Fi GPS	
Connectors	1x microUSB, 1x micro USB typu C(optional) 1x Micro SD(max. 64GB)	2x SIM 2x PSAM(optional)
Memory card	Micro SD	
SIM card	SIM	
RFID Reader	NFC/RFID 13.56MHz	
1D Scanner	1D Barcode Scanner	
2D Scanner *	2D Barcode Scanner	

*

Optional equipment, available on specific versions only.



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

Dustproof

industrial

data

collector

MobiPad PDA-B104 was equipped with high performance, energy-efficient MTK ARM cortex A53. 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 PDA-B104 industrial data collector is designed for resistance and convenience. The sleek and rugged 31mm 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	162 × 70 × 31mm
Net weight	345g

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 hours.
IPX5	Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.

Extreme temperatures

MobiPad PDA-B104 is suitable for continuous operation in both low and high temperatures in the range of -15 ° C to 55 ° C. When the device is off, it can handle temperatures ranging from -20 ° 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.	-15°C to 55°C
Storage Temp.	-20°C to 70°C
Humidity	5% to 95%

DATA COLLECTING

NFC/RFID

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.



Barcode scanner (option)

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.



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 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 5.76Mbps

GPS navigation

Industrial data collector MobiPad

PDA-B104 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 PDA-B104, 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 PDA-B104 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.

	v.1.1	v.1.2	v.2.1	v.2.2
Android 6.0	—	—	—	—
Android 7.0	—	—	—	—
1D	—	—	—	—
2D	—	—	—	—



More pictures available in the "Gallery" tab.