



MobiPad U93 v.0.1 - Industrial Data
Collector with thermal printer + RFID HF +
NFC

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 7.0 Nougat
Display:	5.0 " IPS 720*1280
Brightness:	-----
Processor:	Arm Cortex-A53 64-bit Quad-Core 1.3 GHz
Memory:	2GB
Hard Drive:	-----
Flash Memory:	16GB Nand Flash Storage
Touch screen:	Yes
Durability:	IP66
Drop:	1.5 meters
Shock:	-----
Vibration:	-----

Temperature:	Operating temperature: -20°C -- +55°CStorage temperature: -25°C -- +70°C
Humidity:	5 - 95% (no condensation)
1D barcode scanner (reader):	Optional: 2D Honeywell N6603
2D barcode scanner (reader):	Optional: 2D Honeywell N6603
RFID scanner (reader):	NFC (13.56 MHz) MifareRFID HF (13.56 MHz)
Other:	-----
Battery:	3.7V 4800mAh Li-Ion
Working time on battery:	7-8 hours
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	802.11 a/b/g/n
Bluetooth:	Bluetooth 4.1
WAN:	LTE-FDD B1 B3 B8 LTE-TDD B38 B39 B40 B41 WCDMA 2G/3G/4G Band1 Band8 TD-SCDMA Band34 Band39 CDMA BC0 DCS1800
GPS:	Built-in
Camera:	8Mpx + Flash
In/Out:	1 x USB 2.0, 1x USB Type C, 1 x Micro SD (max.32GB), 1 x Micro-SIM
Optional accessories:	-----
Docking station connector:	No
VESA standard – holders and mounts support:	No
COM port:	Nie
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Integrated
Chipset:	-----

BIOS:	-----
Casing material:	high quality plastic and rubber
Flash Card Reader:	microSD (max. 32GB)
CD/DVD:	-----
Audio:	Built-in Speaker : Microphone
Keyboard:	Alphanumeric (+ function keys) : On-screen
Additional Navigation Devices :	No
Color:	black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP66
Waterproof:	IPX6
Sand and dust:	IP6X
Size:	172 × 80 × 27mm- 500g
Fanless casing:	Yes

Product from the Archive - production finished



MOBIPAD U93

*Industrial Data Collector
with thermal printer*



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS

MobiPAD U93 is a modern, waterproof industrial tablet designed for extreme applications. It has a specially designed, reinforced construction that meets

the requirements of IP66,

SPECIFICATION

MobiPad U93	
Processor	ARM Cortex-A53 64-bit Quad-Core (4x1.3 GHz)
Operating system	Android 7.0
RAM	2GB
ROM	16GB Nand Flash Storage
Display	5" (720 x 1280)
Touch screen	Capacitive
Battery	4800mAh
Camera	8Mpx Rear + Flash
Protection	IP66
Communication	2G/3G/4G Bluetooth Wi-Fi GPS
Connectors	Micro-USB
Memory card	Micro SD (max. 32GB)
SIM card	Micro SIM
RFID Reader	NFC RFID HF RFID LF*
1D Scanner *	Honeywell N6603
2D Scanner *	Honeywell N6603
Printer	Thermal printer 58mm

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Optional equipment, available on specific versions only.



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

Dustproof industrial data collector was equipped with high performance, energy-efficient

ARM Cortex-A53 processor. 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.

Ergonomic design



Industrial Data Terminal MobiPad U93 is designed for resistance and convenience. The sleek and rugged 27mm thick design and stylish case will make the tablet 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	172 x 80 x 27mm
Net weight	500g

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



IP66 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 d
IPX6	Ingress of water in harmful quantity shall not be possible when the enclosure is immersed in water under defin

1.5m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.5 meters in operating mode, even on hard surfaces. In addition, the tablet screen is protected by specially tempered glass Gorilla Glass.

Extreme temperatures

MobiPad U93 is suitable for continuous operation in both low and high temperatures in the range of -20°C to 50°C. When the device is off, it can handle temperatures ranging from -25°C to 70°C. In addition, the rugged industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-20°C do 50°C
Storage Temp.	-25°C do 70°C
Humidity	5% do 95%

DATA COLLECTING

NFC

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 18092 (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 ISO/IEC 18092 protocol



RFID Reader (option)

RFID is a technology used to identify objects and to control the flow products. Reading of information from the special tags that are attached to objects (but not only, because RFID is also applicable to the identification of the animals and even humans) followed by radio. Depending on the type of tag changes the amount of information that can hold as well as the maximum distance at which data can be read. RFID tags, is an alternative to bar codes - more comfortable and more efficient.

RFID HF	HF 13.56 MHz Support ISO14443A/B ISO15693 Read distance from 3 to 8 cm.
RFID LF (option)	LF 125 KHz Support ISO 11784/5 protocol. Read distance from 3 to 8cm.

Barcode scanner (option)



1D / 2D	Obsługiwane formaty
Honeywell N6603	<u>1D</u> : UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved <u>2D</u> : PDF417, MicroPDF417, Composite, RSS, TLC-39, Datamatrix, QR Code, Micro QR Code, Aztec, Postnet

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.

Thermal printer

MobiPad U93 with built-in thermal printer is designed for field work, where it can be use to print receipts. A small number of moving parts and a solid construction ensure trouble-free operation even in the most difficult eliminates the need for expensive ink or toner. No matter how many pages the pages will be print - there will be enough ink in the printer.

Industrial Data Collector, MobiPad U93 with thermal printer NFC RFID HF

Printing method	Thermal
Paper width	58mm
Print speed	80mm/s - 90mm/s

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	<u>FDD-LTE</u>: B1/B3/B5/B7/B8 2100/1800/850/2600/900 <u>TDD-LTE</u> : Band38:2570 MHz - 2620 MHz, Band39: 1880 MHz - 1920 MHz, B41: 2555-2655MHz, B40: 2300-2400MHz, B38/B39/B41/B40/B38/B39/B40/B41
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3G Module

GSM: 850/900/1800/1900 B5/B8/B3/B2

WCDMA: B1/B2/B4 2100/1900/1700

TD-SCDMA: B34/B39

GPS Navigation

Mobile terminal
MobiPad U93
is equipped with a professional GPS module with combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.

Bluetooth 4.1

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 tablet, the Emode I18H, is equipped with the latest 802.11n technology, which allows file transfer speeds up to 150

Mb/s.

Standards	802.11(a/b/g/n)
Frequencies	2.4GHz + 5GHz (Dual-Band)

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).



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

The industry-leading MobiPad U93 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.



More photos in full resolution available in the "Gallery".

Drukarka termiczna / Thermal printer

NFC

RFID HF 13.56 MHz

RFID LF 125 KHz

2D Honeywell N6603

v.0 **v.1** **v.0.1** **v.2** **v.0.2** **v.3**

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