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Industrial data collector MobiPad H92 v.9

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 7.0
Display:	4" TFT-LCD (800x480) Capacitive | Gorilla Glass
Brightness:	~300Nit
Processor:	Cortex A53 1.3GHz Quad Core
Memory:	2GB
Hard Drive:	-----
Flash Memory:	16GB
Touch screen:	Yes - Capacitive
Durability:	IP65
Drop:	1.5m
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- 50°CStorage temperature: -20°C -- 70°C

Humidity:	5% -- 95% non-condensation
1D barcode scanner (reader):	No (Available in other version)
2D barcode scanner (reader):	Honeywell N6603 (CMOS)
RFID scanner (reader):	**RFID LF:** 125KHz/134.2KHz(FDX - B/HDX), ISO 11784&11785, 2cm to 10 cm
Other:	-----
Battery:	3.7V 5200mAh Li-Ion Polymer
Working time on battery:	-----
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	-----
WLAN:	2.4GHz/5.8 GHz Dual Frequency, IEEE 802.11 a/b/g/n
Bluetooth:	Bluetooth Class v2.1 + EDR, Bluetooth v3.0 + HS, Bluetooth v4.0
WAN:	4G: TDD-LTE Band 38, 39, 40, 41, FDD-LTE Band 1, 2, 3, 4, 7, 17, 203G: WCDMA(850/1900/2100MHz)2G: GSM/GPRS/Edge (850/900/1800/1900MHz)
GPS:	GPS + AGPS
Camera:	8Mpx + Autofocus + Flash
In/Out:	Micro SDSIMMini USB
Optional accessories:	Cradle
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	-----
Microchip card reader:	-----
Contrast:	-----
Graphics card:	-----
Chipset:	-----
BIOS:	-----

Casing material:	High quality plastic and rubber
Flash Card Reader:	microSD (max. 32GB)
CD/DVD:	-----
Audio:	Built-in microphone and speaker
Keyboard:	Onscreen + Keyboard + Function keys
Additional Navigation Devices :	-----
Color:	Blue or Orange
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	-----
Security:	-----
Waterproof:	IP65
Sand and dust:	IP65
Size:	158mm(H) x 75mm(W) x 28mm(D) ±2 mm - 300g
Fanless casing:	Yes

Product from the Archive - production finished

MOBIPAD H92 HANDHELD

Specification

The collection and processing of data

Resistance

Modules and wireless networks

Application

Minimalism and comfort

Industrial Data Collector MobiPad H92 has a specially designed, reinforced structure, adapted to harsh environmental conditions. Similarly, as the equipment produced for the military, meets the requirements of IP65 norm. Thanks to its structure is resistant to dust and water. The device is proper for use in the home and industry.

Specification

Processor	Cortex A53 1.3GHz Quad Core
RAM	2GB

Flash memory	16GB
Connectors	2x PSAM | SIM | MicroSD | Mini USB | Cradle connector
Display	4" IPS (800x480) Capacitive
Camera	Rear: 8Mpx + Autofocus + Flash
GPS	GPS + A-GPS
Audio	Built-in speaker and microphone
Battery	Li-ion Polymer, 3.7V, 5200mAh
Keyboard	Physical + Function Keys | On-Screen
Operating system	Android 7.0
Modules	Bluetooth | Wi-Fi | GPS/A-GPS | 2G/3G/4G
Readers (optional)	RFID HF | RFID LF | 1D Scanner (Motorola) | 1D Scanner (Honeywell) 2D Scanner (Honeywell)
Dimensions	158mm(H) x 75mm(W) x 28mm(D) ± 2 mm
Weight	300g
Resistance	IP65

Check "Available versions" tab to see available configurations of this device. To get more information about this product click "**Ask about the product**" or use the Contact form.

MobiPad H92 is offered with the latest ARM Cortex A53 processor to ensure the highest performance, low power consumption and long battery life. The data collector works with Android 7.0 operating system to meet the growing requirements in industrial applications.

Select the version dedicated to yourself

Select a version tailored to your needs. Clicking on the hardware number configurations will redirect you to the product with parameters listed below. At the customer's request can be created configurations which are not available in the offer. Detailed parameters are available in the "Technical Data".

	1D Motorola	1D Honeywell	2D Honeywell	RFID LF	RFID HF
v.1	–	–	–	–	–
v.2	–	–	–	–	
v.3	–	–	–		–
v.3.1	–	–	–		
v.4		–	–	–	–
v.4.1	–		–	–	–
v.5	–	–		–	–
v.6		–	–	–	
v.7		–	–		–
v.7.1		–	–		
v.8	–	–		–	
v.9	–	–			–

v.9.1	–	–			

Available colors

The collection and processing of data

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Barcode Scanner

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

Radio-Frequency Identification (RFID)

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.

Type	**RFID LF**	**RFID HF**
Frequency	125KHz/134.2KHz(FDX-B/HDX)	13.56MHz
Potocol	ISO11784/5	ISO 14443A/15693
Read distance	2-10cm	2-8cm

NFC

Near field communication (NFC) is a set of ideas and technology that enables smartphones and other devices to establish radio communication with each other by touching the devices together or bringing them into proximity to a distance of typically 10 cm (3.9 in) or less.

Frequency	13.56MHz
Protocols	ISO/IEC 18092 (ECMA 340)
Read distance	2-4cm

Resistance

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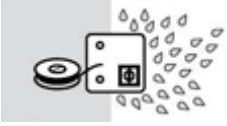
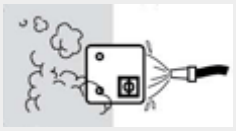
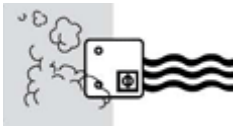
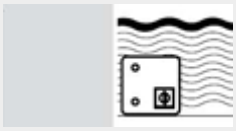
Work temperature	-20 to 50
Storage temperature	-20 to 70
Humidity	5% - 95% (non-condensing)
Dust resistance	IPx6
Water resistance	IPx5
Drop resistance	1.5m

Resistance IP65

IP stands for Ingress Protection and is essentially a rating system developed by the International Electrotechnical Commission or the IEC. The system is now being used to classify different degrees of protection against intrusion or immersion. The IP rating is usually followed by two digits. The first indicates the level of dust-resistance, the second water resistance. Dust-resistance levels goes from 0 up to 6 while water-resistance goes from 0 to 8.

No protection	0		0 No protection
Protection against any large surface of the body, such as the back of a hand	1		1 Protection against vertically dripping water
Protection from object > 12mm, e.g. Fingers or similar objects	2		2 Protection against vertically dripping water when device is tilted at an angle up to 15 degrees
Protection from object > 2.5mm, e.g tools, thick wires, etc.	3		3 Protection against direct sprays of water when device is tilted at an angle up to 60 degrees
Protection from object > 1mm, e.g. most wires, slender screws, large ants etc.	4		4 Protection from sprays and splashing of water in all directions

Dust protected - Ingress of dust is almost entirely prevented.	5	 5	**Protection from low pressure water projected from a nozzle with a 6.3mm diameter opening in any direction**
Dust tight - No ingress of dust, complete protection against contact.	6	 6	Protection from water projected in powerful jets from a nozzle with a 12.5mm diameter opening in any direction
—	7	 7	Protected from immersion in water with a depth of up to 1 meter (or 3.2ft) for up to 30 mins
—	8	 8	Protected from immersion in water with a depth of more than 1 meter

Modules and wireless networks

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Real-time data access to the right information is very important to mobile users. MobiPad H92 offers 4G, GPS, WiFi 802.11 b/g/n and Bluetooth 4.0 which enable users to get connect in the way that best suits their needs. With built-in 8 Mega Pixels camera on rear side, users can instantly capture photos, videos or documents.

The latest WiFi wireless module operating in 802.11n provides a very fast and secure communication with the kolektor danych such as a router, providing a fast and convenient web browsing, smooth playback of HD video.

Thanks to the WCDMA module, you only need to insert a SIM card in the slot and you are able to instantly connect to the internet. Integrated software allows you to automatically detect and configure connections to mobile networks. Internal 4G module used in MobiPad H92 adjusts automatically to transfer and network coverage.

Wi-Fi	802.11 b/g/n
GPS	GPS + A-GPS
Bluetooth	Bluetooth v2.1 + EDR, Bluetooth v3.0 + HS, Bluetooth v4.0
WWAN	**4G**: TDD-LTE Band 38, 39, 40, 41 FDD-LTE Band 1, 2, 3, 4, 7, 17, 20 **3G**: WCDMA(850/1900/2100MHz) **2G**: GSM/GPRS/Edge (850/900/1800/1900MHz)
Phone calls	Yes

Application

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Industrial data collector MobiPad H92 is specifically designed for use in harsh industrial environments, as well as on the outside. Resistant plastic housing protects the display

from the outside against mechanical damage, drops of water, sand and dust. MobiPad H92 is the best solution in conditions where there is dust or moisture.

Data collectors in the form of tablets and smartphones, thanks to its functionality and the ability to install in them a number of modules have been used in almost all fields of industry and not only. Collectors equipped with barcode scanners and RFID are primarily used in warehouses where, thanks to them, time-consuming activities will no longer be a problem. In turn, NFC readers can be used in both the smaller and larger stores as a payment card reader, making the payment becomes fast and convenient as never before.

Minimalism and comfort

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You no longer need to worry about whether you will put your device into a briefcase, backpack or travel bag, this problem disappears forever with MobiPad H92. The device weighs just 300g and its dimensions (158mm x 75mm x 28mm) allow you to take this device everywhere.

Quick battery change

Friendly design allows for fast replacement of the battery. This is useful when working in the field with difficult conditions, when there is no additional power sources and the time is very important.

You can find more photos of this device in Gallery. Specification of the given version is available in the Technical data tab.