Rugged waterproof industrial data collector MobiPad H97 v.2.1

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 7.0
Display:	4.7" (720 x 1280) Gorilla Glass 3
Brightness:	~300Nit
Processor:	ARM Cortex A-53 (4x 1.3GHz)
Memory:	2GB
Hard Drive:	-----
Flash Memory:	16GB
Touch screen:	Capacitive
Durability:	IP65 | 1.5m Drops
Drop:	-----
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- 50°CStorage temperature: -20°C -- 70°C

Humidity:	5% -- 95%
1D barcode scanner (reader):	Honeywell N4313
2D barcode scanner (reader):	No (available in other configuration)
RFID scanner (reader):	NFC 13.56MHz Support: ISO/IEC14443A/15693Read distance: 2-6cm
Other:	-----
Battery:	3.8V/4750mAh
Working time on battery:	8h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	IEEE 802.11 a/b/g/n (Dual band)
Bluetooth:	Bluetooth 4.0
WAN:	4G: FDD B1B3B7 / TDD B38B39B40 / WCDMA B1B2B5B8 EVDO BC0 / GSM B2B3B5B8
GPS:	Standard
Camera:	Rear: 8Mpx + AF + Flash
In/Out:	Micro SDSIMMini USB
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 + Function keys
Additional Navigation Devices :	-----
Color:	Gray
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	Nie
Security:	-----
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	162mm x 78mm x 22mm - 350g
Fanless casing:	Yes

1 697,52 zł
net price: 1 380,10 zł

MobiPad H97

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

MobiPad H97 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 H97	
Processor	ARM Cortex A-53 (4x 1.3GHz)
Graphics	N/A
Operating system	Android 7.0
RAM	2GB
ROM	16GB
Display	4.7" (720 x 1280) Gorilla Glass 3
Touch screen	Capacitive
Battery	3.8V/4750mAh
Camera	Rear: 8Mpx
Protection	IP65	1.5 Drops
Communication	3G/4G	Bluetooth 4.0	Wi-Fi	GPS	NFC
Connectors	Mini USB
Memory card	Micro SD (max. 32GB)
SIM card	SIM
RFID Reader *	RFID UHF (865~868MHz)	LF 125KHz FDX-B
1D Scanner	Honeywell N4313
2D Scanner *	Newland EM3396

*

Optional equipment, available on specific versions only.

ARM®CORTEX®
Processor Technology

A53

Dustproof industrial data collector MobiPad H97 was equipped with high performance, energy-efficient ARM Cortex A-53. 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 H97 industrial data collector is designed for resistance and convenience. The sleek and rugged 22mm 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	162mm x 78mm x 22mm
Net weight	350g

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 H97 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 -20°C do 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 do 50°C
Storage Temp.	-20°C do 70°C
Humidity	5% to 95%

DATA COLLECTING

NFC Reader

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.

Standard	NFC 13.56MHz
Protocols	ISO 14443A, ISO15693

Read distance	2~8cm

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.

1D Scanner	Honeywell N4313
1D/2D Scanner (option)	Newland EM3396

RFID UHF (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.

	UHF	LF
Frequency	865~868MHz	125KHz

Protocol	EPC C1 GEN2/ISO 18000-6C	FDX-B
Antenna	1.5dBi	-
Read distance	1~1.5m	10 cm

WIRELESS COMMUNICATION

4G Module

4G technology is based on a radio network with fast tran smission 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.

2G WWAN	GSM/GPRS/Edge (850/900/1800/1900MHz)
3G WWAN	WCDMA(850/1900/2100MHz)
4G WWAN	TDD-LTE Band 38, 39, 40, 41 FDD-LTE Band 1, 2, 3, 4, 7, 17, 20

GPS navigation

Industrial data collector MobiPad H97 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.

Type	GPS/A-GPS
Supported systems	5m

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 H97, 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 + 5.8GHz

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 H97 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	v.2	v.4	v.5	v.6	v.8	v.2.1
Scanner 1D	—		—	—		—	
Scanner 2D (EM3396)	—	—		—	—	—	—
RFID LF	—	—	—	—	—		—

	v.2.2	v.4.1	v.4.2.	v.5.1	v.6.1		v.8.1	
RFID UHF	—	—	—					—
NFC	—	—	—	—	—		—	

	v.2.2	v.4.1	v.4.2.	v.5.1	v.6.1	v.8.1
Scanner 1D	—	—	—		—	
Scanner 2D (EM3396)	—		—	—	—	
RFID LF	—		—	—		
RFID UHF	—	—	—			
NFC	—	—				

ℹ️ More pictures available in the "Gallery" tab.