



Mobipad SH5 v.3 - Industrial data terminal with UHF RFID, NFC, 4G and BT 4.0, 4GB RAM and 64GB disk

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Windows 10
Display:	5.5" IPS (1080x1920)
Brightness:	500 cd/m ²
Processor:	Intel Cherry Trail Z8350 (4x 1.44 GHz)
Memory:	4GB
Hard Drive:	64GB
Flash Memory:	64GB eMMC
Touch screen:	Yes
Durability:	IP67 MIL-STD-810G
Drop:	1.2 meters
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- 60°CStorage temperature: -25°C -- 80°C

Humidity:	0% - 95% RH
1D barcode scanner (reader):	-----
2D barcode scanner (reader):	Honeywell N3680 (optional)
RFID scanner (reader):	NFC 13.56MHz support ISO 14443A?mifare protocol Card reading distance >5cm UHF RFID M500 3-6m
Other:	Light sensor Compass Baroreceptor
Battery:	3.85V 5000mAh Li-Ion
Working time on battery:	7 hours
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	802.11 a/b/g/n/ac
Bluetooth:	Bluetooth 4.0
WAN:	FDD-LTE: B1/B3/B5/B7/B8/B20 TDD-LTE: B38/B39/B40/B41 WCDMA: 1/2/5/8 GSM/GPS: 2/3/5/8
GPS:	Built-in (GPS) + Glonass + Baidou
Camera:	Rear: 5Mpx Front: 2Mpx
In/Out:	micro USB USB 3.0 RS232 Audio bottom / back pogopin
Optional accessories:	Docking station
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	Nie
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Gen8-LP 12/16EU up to 600MHz
Chipset:	-----
BIOS:	-----

Casing material:	high quality plastic and rubber
Flash Card Reader:	microSD (max. 128GB)
CD/DVD:	-----
Audio:	Built-in Speaker : Microphone
Keyboard:	On-screen (+ function keys) keyboard
Additional Navigation Devices :	No
Color:	black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP6
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	180 x 87 x 21.5mm
Fanless casing:	Yes
Weight:	350g

Product from the Archive - production finished



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

Mobipad SH5 is a modern, waterproof industrial data collector designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP67.

SPECIFICATION

Mobipad SH5

Processor

Intel Cherry Trail Z8350 (4x 1.44 GHz)

Mobipad SH5	
GPU	Gen8-LP 12/16EU up to 600MHz
Operating system	WINDOWS 10
RAM	4GB
ROM	64GB
Display	5.5" IPS (1080x1920)
Touch screen	Capacitive
Battery	5000 mAh
Camera	2/5 MPx
Protection	IP67
Communication	4G Bluetooth 4.0 Wi-Fi GPS
Connectors	micro USB USB 3.0 RS232 Audio down/back pogopin
Memory card	Micro SD (max. 128GB)
2D Scanner	Honeywell N3680* (optional)
Accessories ★	Docking station
NFC	Yes
UHF RFID	M500

★

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 Intel Cherry Trail Z8350

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 SH5 is designed for resistance and convenience. The sleek and rugged 21.5mm thick design and stylish case will make the 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.

Dimensions	180 x 87 x 21.5mm
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 collector with a few fingers at once.

RESISTANCE



IP67 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. T
IPX7	Protection against the effects of short-term immersion in water (30 min to a depth of 0.15 m above the top of th

1.2m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.2 meters in operating mode, even on hard surfaces. In addition, the collector screen is protected by specially tempered glass Gorilla Glass.

Extreme temperatures

Mobipad SH5 is suitable for continuous operation in both low and high temperatures in the range of -20°C to 60°C. When the device is off, it can

handle temperatures ranging from -25°C to 80°C. In addition, the rugged industrial collector performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-20°C do 60°C
Storage Temp.	-25°C do 80°C
Humidity	0 ~ 95%

DATA COLLECTING

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.

2D Scanner	Honeywell N3680 *
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Optional equipment, available on specific versions only.

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: B1/B2/B3/B4/B7 B2/B4/B7/B17/B20</u> <u>TDD-LTE: B38/B39/B40/B41</u>
3G Module	<u>WCDMA: 850/1900/2100MHz</u> <u>GSM/GPS/Edge: 850/900/1800/1900MHz</u>

GPS Navigation

Mobile terminal
Mobipad SH5 is equipped with a professional A-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 4.0

Bluetooth 4.0 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 collector is equipped with the latest 802.11n technology, which allows file transfer speeds up to 300 Mb/s.

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



RFID is a technology used to identify objects and control the flow of products. Reading information from special tags that are attached to objects (but not only because RFID is also used to mark animals and even people) is done by radio. Depending on the type of tag, the amount of information it can store changes, as well as the maximum distance from which data can be read. RFID tags are an alternative to barcodes - more convenient and more efficient. Scanners operate at 865-868MHz.



APPLICATION

Trade and Services

Thanks to their size and light weight, 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 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.



ACCESSORIES AND AVAILABLE VERSIONS

The industry-leading Mobipad SH5 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.

Accessories (option)

Mobipad SH5 can optionally be equipped with a docking station.



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

	v.1	v.2	v.3	v.4
scanner 2D Honeywell N3680	—		—	
UHF RFID M500	—	—		