



MobiPad HS7000N v.2 - 5-inch multi-tasking collector with 4GB RAM, 64GB ROM, NFC module and Honeywell N5703 scanner, RFID UHF

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	Android 12
Display:	5"720x1280
Brightness:	400 nits
Processor:	MTK6765 (8x max. 2.0 GHz)
Memory:	4GB RAM DDR48GB (optional)
Hard Drive:	No
Flash Memory:	64GB ROM128GB (optional)
Touch screen:	Yes capacitive screenMulti touch
Durability:	IP67
Drop:	1,5 m
Shock:	---
Vibration:	---
Temperature:	Operating temperature: -10°C ~ 50°CStorage temperature: -40°C ~ 70°C
Humidity:	5%-95% (non-condensing)
1D barcode scanner (reader):	---
2D barcode scanner (reader):	Honeywell N5703
RFID scanner (reader):	RFID UHF 865-868Mhz NFC

Other:	Electrostatic protection+/-15 kV air discharge +/-8kv contact
Battery:	11700mAh 4.35V
Working time on battery:	8h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	WiFi 5
Bluetooth:	Bluetooth 5.1
WAN:	4G LTE TD FDD
GPS:	GPS Beidou Galileo GLONASS
Camera:	5 + 13 Mpx
In/Out:	1x Micro-SIM 1x TF 1x USB-C1x speaker 1x MIC
Optional accessories:	No
Docking station connector:	No
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	Nie
Contrast:	Yes
Graphics card:	Power
Chipset:	Helio P35
BIOS:	No
Casing material:	PC
Flash Card Reader:	TF
CD/DVD:	No
Audio:	Microphone Speaker Earpiece
Keyboard:	Onscreen
Additional Navigation Devices :	No

Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP67
Waterproof:	IP67
Sand and dust:	IP67
Size:	173 x 81 x 24.8mm
Fanless casing:	Yes
Weight:	694g

2 458,46 zł

net price: 1 998,75 zł

MobiPad HS7000N



SPECIFICATION

DATA COLLECTING

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS

Exceptional durability and advanced technological solutions distinguish this modern data collector. The device is designed for demanding conditions, as confirmed by the IP67 sealing standard and a robust, damage-resistant housing. Android 12, combined with Bluetooth 5.1 and UHF RFID technologies, guarantees fast and efficient data flow, while the high-capacity 11,700 mAh battery allows for long-term use without the need for frequent charging.

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SPECIFICATION

MobiPad HS7000N v.2

Processor	MTK6765 Octa-core (8 cores, 8 threads, 2.0 GHz)
Operating system	Android 12
RAM DDR4	4GB 8GB * (optional)



MobiPad HS7000N v.2

ROM	64GB 128GB * (optional)
Communication	4G BT 5.1 WiFi 5 GPS
Display	5" 720x1280 400 nits
Touch screen	Yes
Protection	IP67
SIM card	Micro SIM
Battery	11700 mAh
Connections	1xMicro-SIM 1x TF 1x USB-C 1x speaker 1xMIC
Scanner 2D	2D Newland N6601 *(optional) 2D Zebra SE4710 *(optional) 2D Honeywell N5703
Radio readers	RFID UHF 865-868Mhz NFC
Guarantee	1 year ** (2-years optional)

* Optional equipment available in the relevant product versions or on request

** 2-year warranty available on other device versions



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

Operational efficiency and rugged construction are key distinguishing features of the MobiPAD HS7000N. The use of an 8-core MTK6765 processor (2.0 GHz) and optimization for Android 12 translate into highly dynamic data analysis. The device is designed to seamlessly handle demanding technical software, maintaining full responsiveness in harsh operating conditions.

Ergonomic design

The device combines a 5-inch screen with a compact, handy design, making it ideal for everyday use. The carefully designed casing ensures high user comfort, and the display guarantees a clear and readable image.



The MobiPAD HS7000N's housing design combines high durability with a compact form, ensuring full functionality in the field. Its slim profile facilitates easy operation, and its well-thought-out dimensions allow for easy access to all touchscreen functions. The device's mobile nature makes it easy to transport.

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Capacitive screen



Touchscreens in data collectors operate on a similar principle to those in smartphones, but are adapted to more challenging operating conditions. Capacitive technology is most commonly used, where the screen surface responds to changes in the electric field caused by the touch of a finger. This makes operation fast, precise, and allows for gestures (e.g., scrolling or zooming).

400 nits screen

The 400-nit display offers optimal visibility of information in bright sunlight and factory lighting. It remains sharp and clear, facilitating extended periods of work with technical graphics. The device is fully autonomous in the field – this level of brightness eliminates the need to seek shaded areas, ensuring constant access to data in all weather conditions.



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Connectors, buttons and dimensions

The device offers a rich set of interfaces, including a USB-C port, ensuring compatibility with modern data transmission standards. Micro SIM and TF card slots enable full mobility and convenient storage of large amounts of data on external media. An integrated audio module with a microphone and speaker

ensures efficient handling of audio messages.



In practice, the USB-C port allows for fast data transfer between the device and a computer, as well as convenient charging in any workplace. SIM and TF card support allows for field work without access to a local network and secure data archiving directly on the device.

Dimensions	173 x 81 x 24.8mm
Weight	694g

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DATA COLLECTING

NFC

NFC in data collectors enables wireless communication over very short distances (up to a few centimeters), most often by bringing the device close to a tag or card. The module reads the information stored on the chip and immediately transmits it to the system, allowing, for example, for the rapid identification of products, locations, or employees. In practice, this technology significantly accelerates warehouse and logistics operations by eliminating the need for manual data entry. For example, a warehouse worker can bring the collector close to an NFC tag on a shelf with a single touch to automatically confirm the item's location in the system.



2D scanner

The data collection system in the MobiPAD HS7000N model is based on renowned 2D scanning modules, adapted to diverse operational requirements. Depending on the selected configuration, the device can be equipped with one of three advanced readers: Zebra SE4710, Honeywell N5703, or Newland N6601. Each of these modules is characterized by precision in reading 1D and 2D codes, ensuring rapid information capture even with damaged or poorly legible labels.



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RFID

UHF RFID, operating in the 865–868 MHz frequency band, enables contactless object identification from a distance of up to several meters. This system relies on the reader transmitting radio waves that activate passive tags on goods, allowing for their instant reading without the need for direct eye contact. In industrial practice, this solution allows for the simultaneous inventory of entire pallets or bulk packages in just a few seconds. Thanks to the high wavelength penetration, data can be read through obstacles such as cardboard, foil, or plastic, significantly accelerating logistics and warehousing processes.

Automating this process eliminates human errors associated with the manual scanning of individual barcodes, ensuring complete control over inventory levels in real time.



RESISTANCE

IP67 protection class



IP67






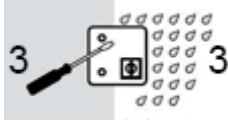

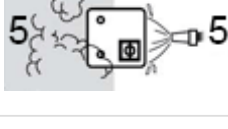



PYŁOSZCZELNY
DUST-PROOF



WODOODPORNY
WATERPROOF

The IP67 standard determines their level of resistance to dust and water. The first digit, "6," indicates complete dust resistance—the housing is so tight that no dust particles can penetrate the device. The second digit, "7," indicates resistance to short-term immersion in water (typically up to 1 meter deep for a maximum of 30 minutes).

Firts digit	Protection level	Second digit
No special protection	0  0	No special protection
Protection from solid objects greater than 50mm in diameter	1  1	Protection from dripping water

Firts digit	Protection level	Second digit
Protection from object not greater than 12mm in diameter		Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter		Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter		Protection from splashed water
Complete protection against contact, Protection against dust deposit		Protection from water projected from a nozzle
Complete protectionm against contact, protection from infiltration of dust		Protection against heavy seas, or powerful jets of water
		Protection against immersion
		Protection against complete, continuous submersion in water

Fall to 1.5 m

The MobiPAD HS7000N has been impact-tested on all six surfaces (front, back, sides, top, bottom) and four corners, ensuring complete protection of the electronics in harsh warehouse environments. This specification means that, no matter how accidentally the device slips from the operator's hand, the design should absorb the shock and prevent a cracked screen or damage to the scanning module.

Extreme temperatures

The MobiPAD HS7000N series data collectors are designed for reliable operation across a wide operating temperature range from -10°C to 50°C, allowing for effective use in both cold storage and heated production halls. These devices are also exceptionally durable in standby mode, withstanding storage temperatures ranging from -40°C to 70°C. These rigorous thermal parameters ensure the equipment maintains full electronics and battery performance even in extreme environmental conditions. These technical specifications guarantee users the continuity of logistics processes and data security regardless of the season or the specific nature of the warehouse facility.

Operation temperature : -10°C ~ 50°C

Storage temperature : -40°C ~ 70°C



Operation Temp.	-10 to 50
Storage Temp.	-40 to 70
Humidity	from 5% to 95% (non-condensing)

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WIRELESS COMMUNICATION

GPS Navigation

The MobiPAD HS7000N data collector combines reliable operation with advanced satellite navigation technology. It is equipped with an advanced positioning module supporting Beidou, Glonass, GPS, and Galileo systems, guaranteeing rapid and precise coordinate determination anywhere in the world. Integrating four global satellite networks, the device maintains a stable signal even in the most challenging terrain, such as dense urban areas or deep forests. This versatile navigation makes the terminal a reliable tool for field services and logistics, ensuring maximum shipment tracking accuracy and route optimization.

Bluetooth 5.1

MobiPAD HS7000N data collectors are equipped with Bluetooth 5.1, which enables fast and stable data transfer between devices without cables. This technology utilizes energy-efficient wireless communication with increased range and more precise signal localization. In practice, this allows the collector to seamlessly connect to label printers, scanners, and warehouse systems in real time. This allows employees to transfer data in real time and perform logistics operations without having to return to their computer workstation.

Wi-Fi network

The use of the Wi-Fi 5 standard in the MobiPAD HS7000N device optimizes data transfer processes within industrial facilities. Operating in the 5 GHz band provides increased resistance to interference, which is crucial for maintaining the

continuity of logistics processes. Database synchronization occurs without downtime, resulting in immediate updates of inventory levels in the master system. This network configuration supports operational reliability, ensuring uninterrupted insight into current technical and material parameters.

Standards	2.4GHz & 5GHz
Frequencies	802.11 a/b/g/n/ac

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APPLICATION

Trade and Service

The modern MobiPAD HS7000N data collector revolutionizes processes in the retail and service sectors thanks to its advanced UHF RFID module, which allows for rapid inventory counting without the need to scan each item individually. Wi-Fi 5 provides employees with uninterrupted database connectivity, enabling immediate verification of product availability and prices in real time. Bluetooth 5.1 technology allows the device to work seamlessly with other devices, such as mobile label printers, significantly accelerating logistics processes directly at the store shelf. This configuration provides the foundation for efficient work, eliminating delays and minimizing the risk of errors during daily customer

service.



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Industry and Construction

The high-performance MobiPAD HS7000N sets new standards for durability in the manufacturing and construction sectors, offering a powerful 11,700 mAh battery that eliminates the need for frequent charging during long shifts. Its 400-nit display ensures excellent readability of diagrams and operational data both in brightly lit production halls and during field work. The integration of a UHF RFID

module and Wi-Fi 5 connectivity enables precise resource monitoring and instant task status updates in production management systems. Bluetooth 5.1 technology enables quick connection to specialized diagnostic equipment, supporting efficient quality control and seamless, real-time transfer of measurement results.



Warehouse

The versatile MobiPAD HS7000N data collector with Android 12 optimizes warehouse operations by offering an intuitive interface and seamless operation

of modern logistics management applications. The integrated 2D scanner allows for rapid and precise code reading from goods and pallets, significantly accelerating external receipt and release processes. A high-resolution 13MP camera allows for immediate documentation of shipment status or any damage, creating a clear evidence base in the system. The entire setup, supported by fast connectivity and efficient components, minimizes the risk of errors, increasing warehouse throughput even during high traffic volumes.



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AVAILABLE VERSIONS

The MobiPAD HS7000N device is a reliable solution designed for use in demanding environments. Its modular design allows you to choose the version best suited to your business profile. The table below summarizes the technical

specifications for each configuration. If you require parameters beyond the standard offering, a dedicated device variant can be developed.

	v.1	v.2	v.3	v.4	v.5	v.6
4GB + 64GB	+	+	+	—	—	—
8GB + 128GB	—	—	—	+	+	+
NFC	—	+	+	—	+	+
Zebra SE4710	—	—	+	—	—	+
Honeywell N5703	—	+	—	—	+	—



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