



MobiPad HS7300N v.1 - Data collectors for warehouse management with Newland N6601 scanner, RFID UHF radio reader and with 64GB ROM memory

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 12
Display:	6"720x1440
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):	2D Newland N6601 Honeywell N5703 or Zebra SE4710 (optional)

RFID scanner (reader):	RFID UHF 865-868Mh
Other:	Electrostatic protection+/-15 kV air discharge +/-8kv contact
Battery:	11550mAh 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:	---
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 79 x 17mm
Fanless casing:	Yes
Weight:	641g

2 177,10 zł

net price: 1 770,00 zł

MobiPad HS7300N



SPECIFICATION

DATA COLLECTING

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS

The durable MobiPad HS7300N model addresses the needs of industries operating in harsh environments, where reliability and robust construction are key. This modern data collection device is built to operate flawlessly in damp and dusty environments, as confirmed by its high IP67 sealing rating, ensuring complete protection against flooding. The housing is highly resistant to mechanical damage, and the bright 400-nit display allows for easy reading of information even in direct sunlight. A high-capacity, replaceable 11550 mAh battery ensures long operating times, ensuring continuous operation without the need for frequent searches for a power source. The entire package is ready for intensive use in demanding manufacturing plants or construction sites.

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SPECIFICATION

MobiPad HS7300N v.1

Processor	MTK6765 Octa-core (8 cores, 8 threads, 2.0 GHz)
Operating system	Android 12
RAM DDR4	4GB 8GB * (optional)
ROM	64GB 128GB * (optional)
Communication	4G BT 5.1 WiFi 5 GPS
Display	6" 720x1440 400 nits
Touch screen	Yes
Protection	IP67
SIM card	Micro SIM
Battery	11550 mAh
Connections	1xMicro-SIM 1x TF 1x USB-C 1x speaker 1xMIC
Scanner 2D	2D Newland N6601 2D Zebra SE4710 *(optional) 2D Honeywell N5703 *(optional)
Radio readers	RFID UHF 865-868Mhz
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".

The foundation for the smooth operation of the MobiPad HS7300N is a powerful, octa-core 2.0 GHz processor, which ensures every operation runs smoothly. This modern component intelligently manages resources, combining high dynamic performance with low power consumption, which translates directly into less frequent charging. This robust hardware configuration is ideal for everyday tasks in logistics centers, production lines, or outdoor data collection. System stability is combined with high durability, ensuring smooth operation and reliable electronics even under heavy load. This is a reliable solution for any environment where speed and reliability are essential in demanding environments.

Ergonomic design

The robust design of the MobiPad HS7300N intelligently combines compact dimensions with exceptional durability, allowing for comfortable operation in areas exposed to dust and moisture. Measuring 173 by 79 millimeters and only 17 millimeters thick, the device fits comfortably in the palm of your hand while offering the full protection typical of heavy industrial equipment. A special high-grip coating ensures a secure grip even with work gloves or in the rain,

eliminating the risk of dropping it. The 641-gram weight is balanced to minimize wrist strain during long hours of scanning goods or entering data. The well-thought-out housing design complements the modern look, giving the device a professional appearance in any business environment. This refined structure ensures that electronics remain safe and everyday tasks are completed quickly and without unnecessary physical effort.



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Capacitive screen



Capacitive touchscreens in professional data collectors exploit the phenomenon of electric field disturbances that occur when a conductive finger approaches or touches a glass surface. Sensors placed in the corners or under the glass layer precisely measure the change in electrical capacitance at the point of contact, allowing for immediate and highly accurate determination of the touch coordinates.

400 nits screen

Accessing data in direct sunlight and under the bright light of industrial lamps becomes significantly easier thanks to the use of a 400-nit display. These display parameters ensure that all messages and graphs remain clear, eliminating the need to move away from the workstation in search of shade. Good screen

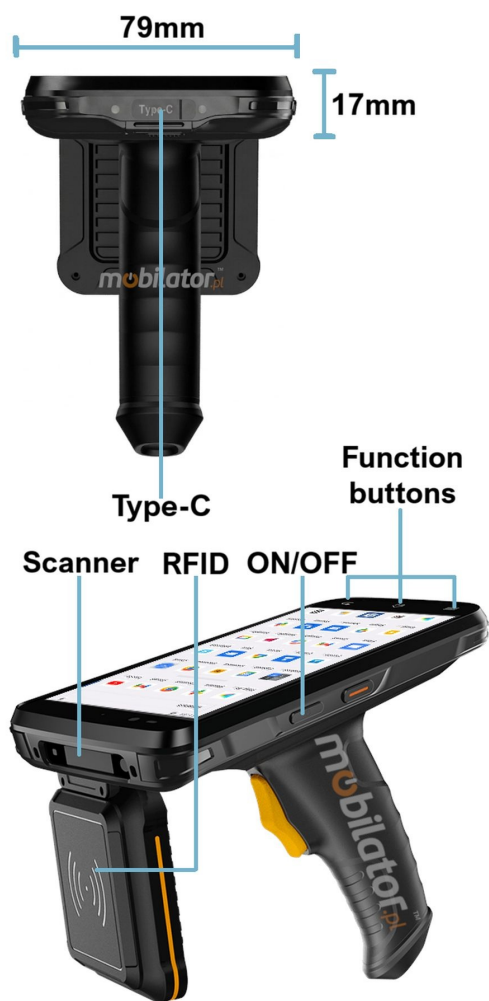
visibility directly supports precision, reducing errors when entering information and accelerating daily tasks. The robust, high-luminance panel improves user comfort in all weather conditions, allowing for smooth process execution without unnecessary downtime. The clear interface also provides greater confidence for staff, who can quickly respond to system notifications regardless of the time of day. This practical solution makes work more predictable, ensuring the MobiPad HS7300N remains a fully functional tool in the hands of a specialist.



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Connectors, buttons and dimensions

The communication and multimedia capabilities of the MobiPad HS7300N are based on a set of practical ports and functions that allow for the free exchange of data and documentation of work progress. The device has a Micro-SIM card slot, allowing for constant connectivity to a cellular network, while an additional TF card reader allows for easy memory expansion for necessary files and applications. For wired data transfer, the modern USB-C connector, which has become the standard in professional mobile equipment, is used.



A built-in speaker and sensitive microphone facilitate voice communication within the facility, while two cameras significantly expand the terminal's range of applications. The 5-megapixel front camera is ideal for video calls, while the 13-megapixel rear lens allows for very clear photos of goods, damage, or warehouse documents. This makes the device a versatile tool that replaces many other devices needed in everyday industrial operations. All these elements, housed in a single housing, ensure rapid and seamless information flow within the company.

Dimensions	173 x 79 x 17mm
Weight	641g

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DATA COLLECTING

2D scanner

The modern MobiPad HS7300N industrial terminal offers a wide range of choices, as it is available with three popular data acquisition modules. Inside, you can choose from the powerful Zebra SE4710 reader, the precise Honeywell N5703

chip, or the efficient Newland N6601 scanner. This versatility makes this device highly versatile, easily handling a wide range of everyday situations and professional tasks. The overall design allows for easy adaptation of the technical capabilities to the specific needs of your company.



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RFID

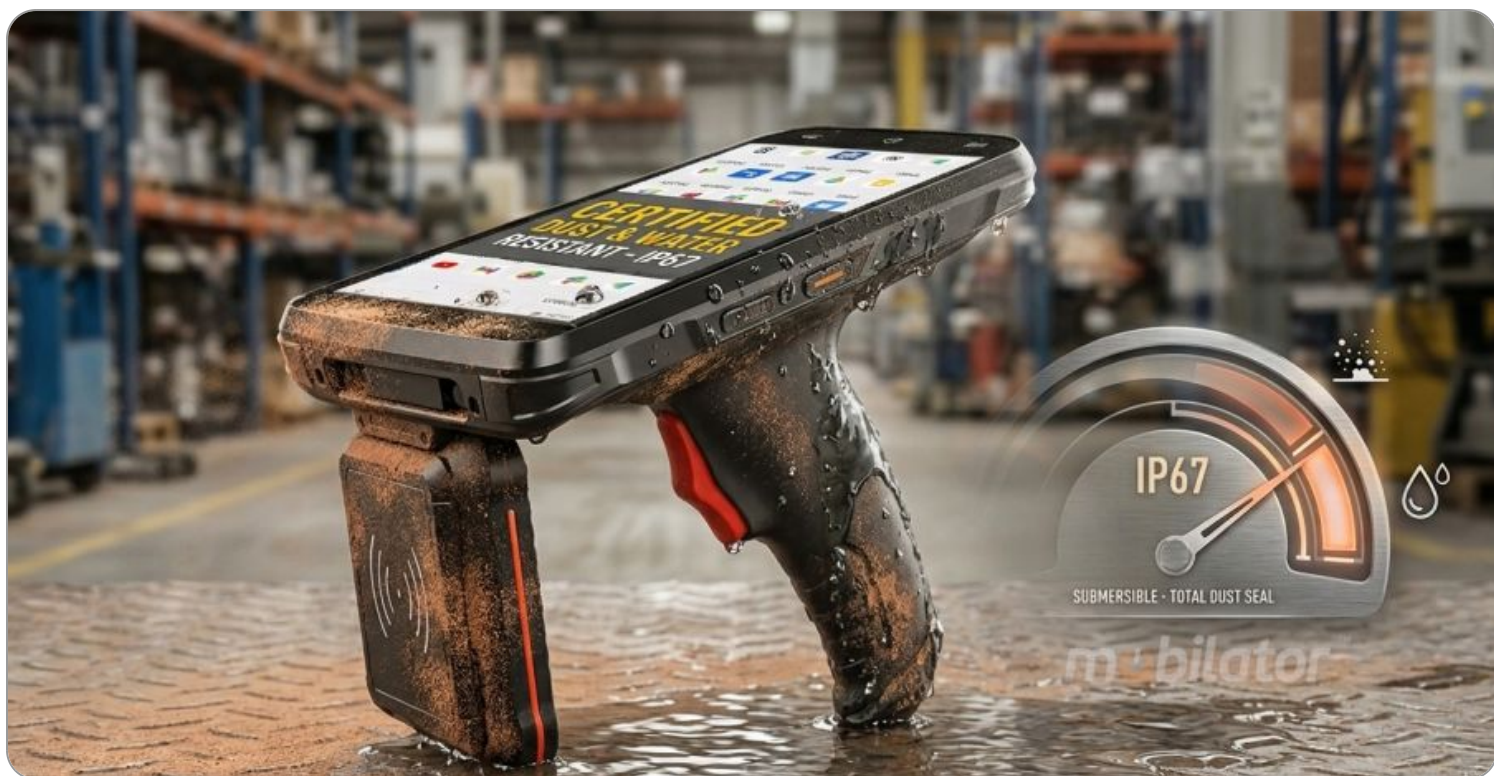
The latest data collectors utilize the UHF 865-868MHz RFID band primarily for rapid inventory collection, enabling contactless reading of hundreds of items

simultaneously from a distance of up to several meters. This technology allows for precise tracking of goods throughout the supply chain without the reader having to directly "see" the label, drastically reducing warehouse receipt and release times. Thanks to integration with IoT systems, modern mobile terminals using this standard provide real-time inventory updates, eliminating human error and optimizing company asset management.






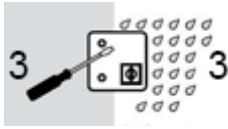





RESISTANCE

IP67 protection class



Mobile devices designed for field use are exceptionally tight, allowing them to withstand contact with various substances. The robust IP67-rated housing ensures that no dirt or fine dust can penetrate the interior, and the equipment remains operational even after being briefly submerged in shallow water. These parameters make the terminals ideal for use in dirty halls, heavy rain, or in areas with high humidity.

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
Protection from object not greater than 12mm in diameter	2  2	Protection from vertically dripping water (tilted up to 15°)

Firts digit	Protection level	Second digit
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

This equipment was specifically designed for use in challenging environments where accidental damage is likely. A robust housing protects the internal mechanisms from heavy impacts, allowing the machine to operate without failure even after being dropped from a height of 1.5 meters onto a hard floor. This design ensures the tool will function reliably during routine work in large warehouses and noisy factories.

Extreme temperatures

Modern technology allows the terminal to be used freely in a wide variety of locations, regardless of the weather. The machine operates without any problems when the temperature outside is as low as -10°C or as high as $+50^{\circ}\text{C}$. When the device is turned off, it can survive even harsher conditions, withstanding temperatures as low as -40°C and as high as $+70^{\circ}\text{C}$. This durability ensures that the electronics will not fail in freezing cold stores or extremely hot rooms.

Operation temperature : $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$

Storage temperature : $-40^{\circ}\text{C} \sim 70^{\circ}\text{C}$



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

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WIRELESS COMMUNICATION

GPS Navigation

Built-in location systems allow for efficient route finding and tracking of current position in challenging environments, significantly accelerating daily tasks. The device instantly maps out a route to a destination and facilitates the coordination of multiple people simultaneously. This particular model utilizes multiple global systems, such as GPS, Glonass, Beidou, and Galileo, ensuring a consistently strong and highly accurate signal. This makes the device ideal for use in densely built-up areas or remote areas.

Bluetooth 5.1

The MobiPad HS7300N data collector, equipped with Bluetooth 5.1, offers centimeter-level precision in locating assets inside buildings, revolutionizing

inventory processes and indoor navigation. Optimized protocols ensure lightning-fast connection to industrial sensors, significantly extending the device's operating time on a single charge and accelerating data readout. This standard also guarantees the highest connection stability in challenging radio conditions, eliminating interference from machinery and other wireless networks.

Wi-Fi network

The rugged MobiPad HS7300N's dual-band Wi-Fi 5 enables simultaneous high-speed data transmission, such as streaming from inspection cameras on the 5 GHz band, and maintains stable connectivity in hard-to-reach locations thanks to the improved penetration of 2.4 GHz waves through metal structures. The 802.11ac standard with MIMO technology guarantees signal reliability even in environments with high device density, which is crucial for the continuity of logistics and production processes.

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

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APPLICATION

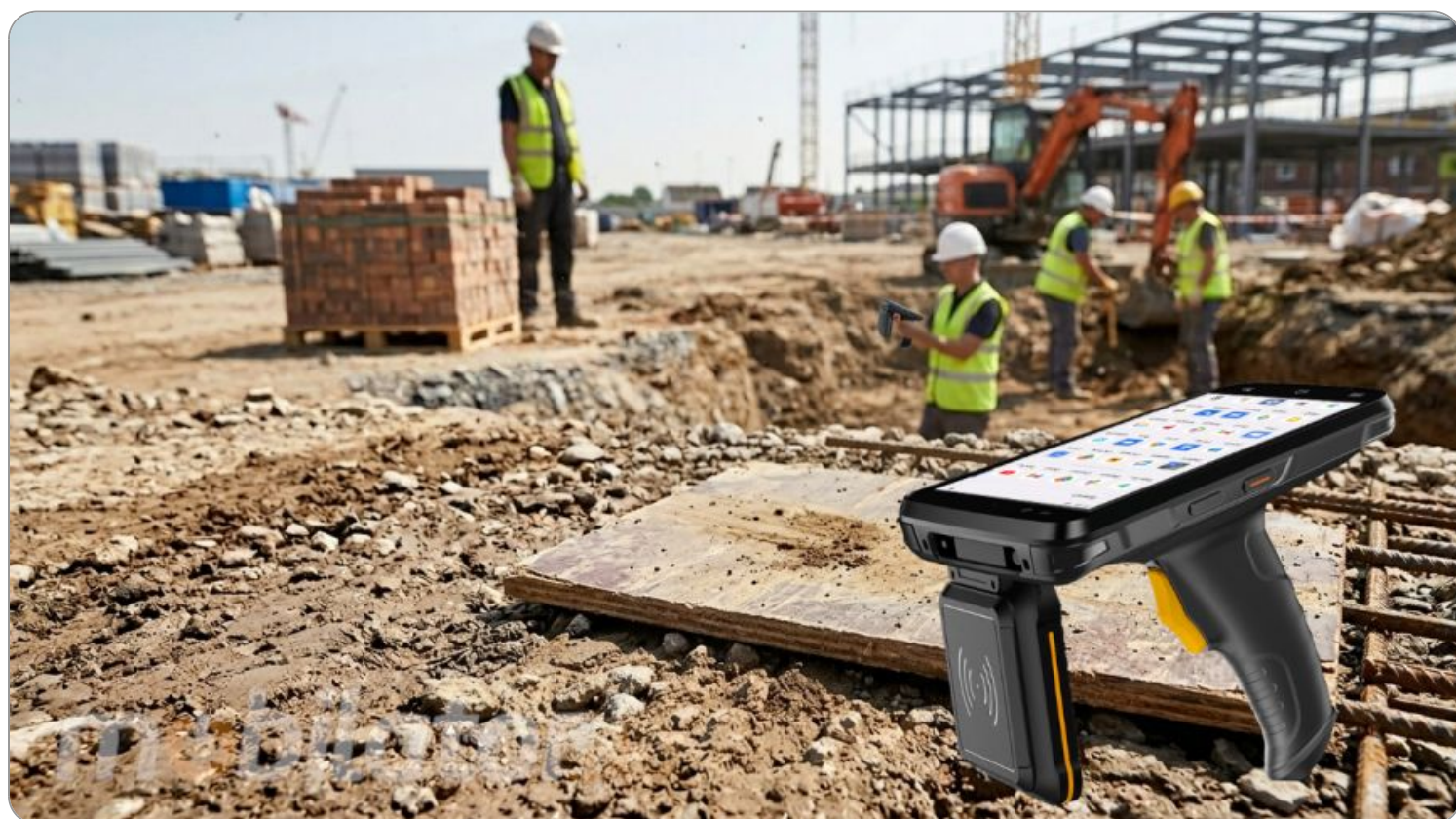
Trade and Service

The 720x1440 resolution device features an 18:9 aspect ratio, allowing for the display of more product list items while maintaining a slim design for easy one-handed operation. This format, combined with Android 12 and fast Wi-Fi 5 connectivity, enables convenient browsing of extensive databases and smooth operation with modern retail applications. The camera and precise Bluetooth 5.1 in such an ergonomic device shorten customer service and inventory times, making retail and service processes significantly more efficient.



Industry and Construction

This unique data collector with Android 12 and a 400-nit display optimizes work in industry and construction. The use of a UHF RFID module (865-868MHz) with Bluetooth 5.1 allows for rapid, bulk component inventory and precise tracking of machinery and tools across large construction sites. A replaceable, high-capacity 11550mAh battery guarantees multi-day operation in extreme field conditions, eliminating downtime associated with charging the device in areas without electrical infrastructure.



Warehouse

The MobiPad HS7300N enables rapid goods receipt and release thanks to its 2D scanner and RFID technology, which allows for mass tag reading without the need to directly target each product. Its durable IP67-rated housing guarantees trouble-free operation in harsh warehouse environments, protecting the device from dust and the effects of accidental drops or flooding. 4G connectivity combined with a USB-C port ensures constant, real-time data synchronization with the host system, as well as efficient charging and communication with peripherals.



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AVAILABLE VERSIONS

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Account number: ALIOR BANK SA 68 2490 0005 0000 4500 2328 8078

The MobiPad HS7300N is available in several versions, tailored to different needs. Clicking the desired configuration number will display a page with its detailed parameters presented in a table. A custom configuration can also be created upon request, even if it's not included in the standard offering.

	v.1	v.2	v.3	v.4	v.5	v.6
4 + 64GB	+	+	+	—	—	—
8 + 128GB	—	—	—	+	+	+
Newland N6601	+	—	—	+	—	—
Honeywell N5703	—	+	—	—	+	—
Zebra SE4710	—	—	+	—	—	+



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