



MobiPAD MR-1007W v.17 - A sub-zero-temperature-resistant tablet for field work with Windows IoT, 800 nits, U-BLOX M8N GPS, 4G, and a large 6000mAh battery

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	Windows IOT
Display:	10.1" 1200x1920
Brightness:	800 nits
Processor:	Intel Celeron N5100
Memory:	8GB RAM
Hard Drive:	128GB ROM
Flash Memory:	---
Touch screen:	Capacitive 10 - point touch
Durability:	IP67
Drop:	1,2 m
Shock:	---
Vibration:	---
Temperature:	Operating temperature: -20°C ~ 60°C Storage temperature: -30°C ~ 70°C
Humidity:	up to 95%
1D barcode scanner (reader):	---
2D barcode scanner (reader):	Option Newland N1

RFID scanner (reader):	RFID HF option RFID LF NFC
Other:	-----
Battery:	6000mAh
Working time on battery:	8h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	---
WLAN:	WiFi 802.11 (a/b/g/n/ac)optional WiFi 6
Bluetooth:	Bluetooth 5.1
WAN:	4G
GPS:	GPS - U-BLOX M8N
Camera:	camera front: 5Mpxcamera rear: 8Mpx
In/Out:	2x speakers 1x MIC 1x Type-C USB 2.0 1x Type-A USB 2.01x DC 12V/4A 1x Micro HDMI 1x Jack 1x Pogo Pin 1x Micro SIM 1x TF
Optional accessories:	Yes
Docking station connector:	Yes
VESA standard – holders and mounts support:	---
COM port:	---
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	Yes
Graphics card:	---
Chipset:	---
BIOS:	-----
Casing material:	TPU PC ABS composite reinforced with 10% fiber and Al-Ti alloy
Flash Card Reader:	TF
CD/DVD:	-----
Audio:	2x speakers 2x MIC

Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	Blackyellow
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP67
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	275 x 179.2 x 21.8mm
Fanless casing:	Yes
Weight:	1120g

3 445,54 zł

net price: 2 801,25 zł

MobiPAD MR-1007W



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The versatile MobiPAD MR-1007W tablet is a rugged device for special tasks. Thanks to its IP67 rating and reinforced casing, it's resistant to dust, water, and drops. Equipped with a bright 500-nit screen and a powerful 6000mAh battery, it guarantees all-day productivity in the harshest conditions. A reliable companion for professionals in the field.

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SPECIFICATION

MobiPAD MR-1007W v.17

Processor	Intel Celeron N5100
Operating system	Support Windows 11
RAM	8GB
ROM	128 GB
Communication	Bluetooth 5.3 Wi-Fi 5 GPS U-BLOX M7N 4G WiFi 6 * (optional)
Display	10.1" 1200x1920 800 nitów 16:10
Touch screen	Capacitive (10-point)
Protection	IP67
SIM card	Micro SIM

MobiPAD MR-1007W v.17

Battery	6000mAh Charging Indicator
Connections	Speakers MIC Typ-C USB 2.0 Typ-A USB 2.0 TF DC 12V/4A Micro HDMI Jack Pogo Pin Micro SIM
Scanner 2D	2D Newland N1 * (optional)
Radio readers	RFID HF NFC * (optional) RFID LF * (optional)
Guarantee	1 year * (optional 2 years)

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



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

The high-performance MobiPAD MR-1007W tablet is an advanced tool designed for use in environments where standard electronics fail. At the heart of the device is an Intel Celeron N5100 processor, optimized for professional technical applications and fast data analysis. Combined with a reinforced IP67 housing, this ensures trouble-free operation even in extreme dust and moisture conditions.

Ergonomic design

The device's design strikes the perfect balance between a large operating surface and the portability essential for everyday tasks. The body's finish guarantees maximum ease of use and excellent screen clarity.



The device's durable yet sleek design ensures a stable grip and comfort during extended outdoor activities. The well-thought-out frame dimensions allow for

easy control of the panel while maintaining a compact footprint, ensuring the device is easy on staff and easily fits into a handheld toolbox.

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Capacitive screen



Capacitive screens used in industrial tablets respond to changes in the electric fields on their surfaces. Bringing fingers close to the glass surfaces changes these parameters, which the sensors interpret as touches. These screens are highly sensitive, transparent, and scratch-resistant. Their main advantages in operation are durability and strength, ensuring stable operation even during frequent field use.

800 nits screen

The brightness of 800 nits makes the tablet screen readable even in intensely lit production halls or with light coming through windows.



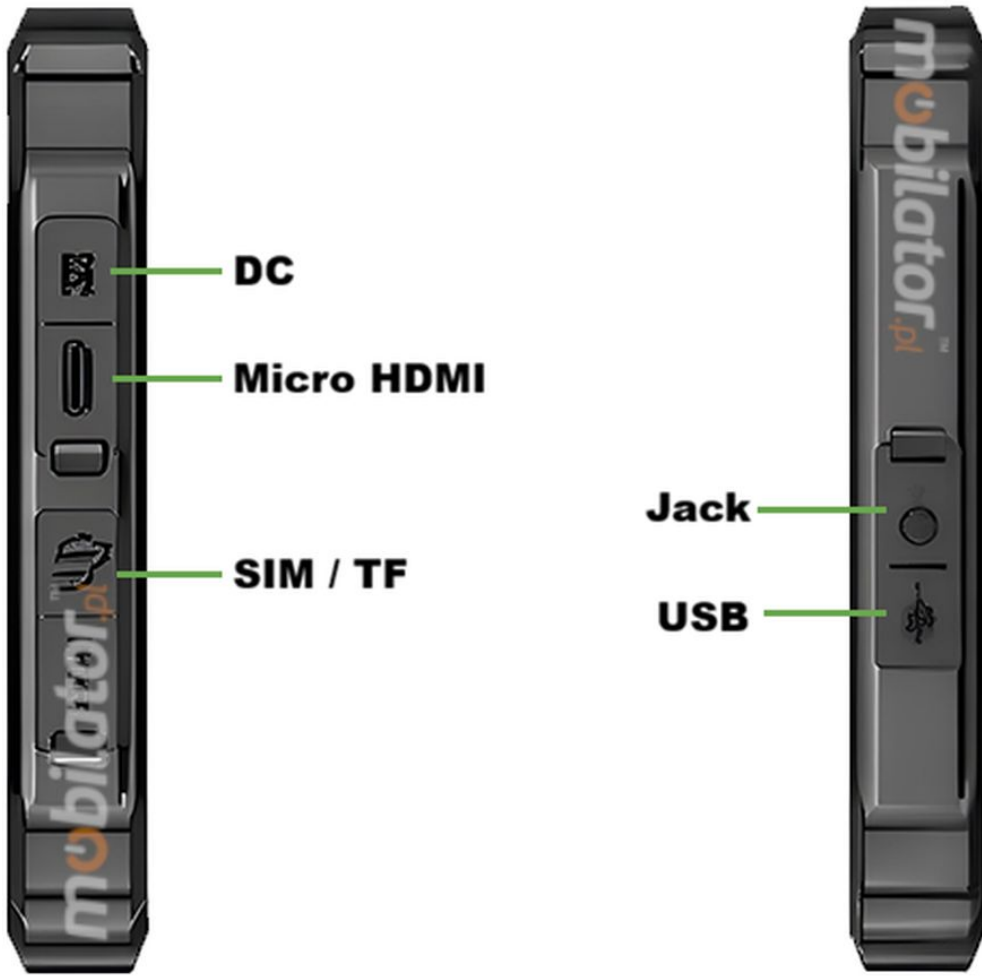
This value ensures clear contrast and saturated colors, which translates directly into reduced eye fatigue during long hours of work with technical documentation. Thanks to the increased luminance parameters, operators can freely use the device in the field, without having to seek shade to read key data. This is a crucial feature in the industrial sector, ensuring reliability and comfort of use regardless of the prevailing lighting conditions.

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Connectors, buttons and dimensions

The MobiPAD MR-1007W models are designed for maximum operational efficiency in the most demanding environments. Extensive communication ports and stringent leak-tightness standards prepare these units for uninterrupted operation in challenging logistics locations and outdoor environments. These devices guarantee process stability wherever time is of the essence.





DC

Micro HDMI

SIM / TF

Jack

USB



1. NFC available in applicable product versions or upon request.

2. Scanner available in applicable product versions or upon request.

3. Fingerprint reader available in applicable product versions or upon request.

Dimensions	275 x 179.2 x 21.8mm
Weight	1120 g

The MobiPAD MR-1007W industrial devices offer a comprehensive set of

connections, combining multimedia standards such as Micro HDMI, speakers, and a microphone, with a professional 12V/4A DC power supply. It features cellular connectivity and expandable memory via Micro SIM and TF card slots, as well as USB ports (Type-A and Type-C) for data transfer. A Pogo Pin connector allows for quick docking or integration with additional accessories in challenging work environments.

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DATA COLLECTING

NFC * (optional)

NFC technology in industrial tablets is primarily used for rapid employee authentication and access control to sensitive system data. It also enables quick pairing of the device with machines and reading proximity tags placed on components for immediate access to technical documentation. Thanks to contactless communication, operators can efficiently record production stages or inventory levels without having to manually enter serial numbers. This solution significantly accelerates information flow and is also highly resistant to the harsh environmental conditions in which mobile devices operate.



* Optional equipment available in the respective product versions or upon request

2D scanner * (optional)

The durable MobiPAD MR-1007W industrial tablet features a modular design, allowing for the optimal configuration. In addition to the basic version, designed for efficient data processing, configurations integrated with a professional 2D scanning module are available. The reader can be individually adapted to the specific operational requirements: the available Newland N1 module guarantees fast code reading (including from displays).



*Optional equipment available in the respective product versions or upon request

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RFID

RFID in mobile devices enables quick and contactless identification of products, resources, or documents, significantly accelerating workflows. It allows for automatic data collection and reduces errors resulting from manual entry. This streamlines logistics processes, inventory, and asset management within the company. The MobiPAD MR-1007W v.17 tablet for professionals is equipped with HF RFID.






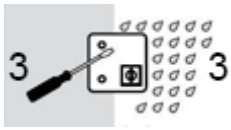





RESISTANCE

IP67 protection class



IP67 is a rating that indicates a device's resistance to dust and water. The first digit, "6," indicates complete protection against dust ingress, while "7" indicates resistance to short-term immersion in water (up to approximately 1 meter for 30 minutes). This allows IP67-rated devices to operate in challenging conditions, such as rain or dusty environments.

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 1.2 m

The MobiPAD MR-1007W is a modern mobile device designed to withstand falls from a height of up to 1.2 meters. Its robust construction and materials effectively protect it from mechanical damage, allowing you to use it without worry in everyday situations.

Extreme temperatures

The MobiPAD MR-1007W is a tablet resistant to both low and high temperatures. Its ability to operate in extreme conditions down to -60°C is a key advantage, guaranteeing reliability and complete process continuity in the most demanding refrigerated and polar environments. High resistance to air humidity of up to 95% allows for trouble-free operation in environments with high condensation and variable weather conditions.

Operation temperature : $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Storage temperature : $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$



Operation Temp.	-20°C to 60°C
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Storage Temp.	-30°C to 70°C
Humidity	up to 95%

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WIRELESS COMMUNICATION

GPS Navigation

The MobiPAD MR-1007W tablet is equipped with a U-BLOX M7N GPS module, which allows for precise location determination. This allows you to use navigation, easily find your way, and check your location. GPS is also useful in sports and travel applications, helping you track routes and plan trips, making this device ideal for motorcyclists, for example.

Bluetooth 5.1

Bluetooth is essential in today's industrial tablets, enabling wireless connection to devices like barcode scanners, sensors, and printers, without the need for cables. This makes work faster, more flexible, and better adapted to the dynamic conditions of warehouses, production, and logistics. The MobiPAD MR-1007W is equipped with a modern Bluetooth 5.1 module.

Wi-Fi network

Wi-Fi connectivity provides fast and convenient access to the internet without the need for cables. All versions of the rugged MobiPAD MR-1007W tablet are equipped with a Wi-Fi module, allowing you to easily connect to your company network and enjoy high-speed data transmission.

Standards	WiFi 802.11 (a/b/g/n/ac)
Frequencies	2.4G+5.8G Dual-band WIFI

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APPLICATION

Trade and Service

The MobiPAD MR-1007W with Wi-Fi, Bluetooth, and GPS for retail and service applications enables quick connection to sales systems and databases, speeding up customer service. Bluetooth allows for easy connection to receipt printers, scanners, and other accessories without cables. GPS allows for precise tracking of deliveries and the location of mobile sales or service points. Additionally, the Wi-Fi connection provides internet access and real-time updates, increasing

operational efficiency.



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Industry and Construction

The MobiPAD MR-1007W tablet, resistant to harsh weather and mechanical conditions thanks to its IP67 standard and drop resistance, is ideal for construction sites and industrial plants. Equipped with Wi-Fi, Bluetooth, and GPS, it allows for fast data transfer, connection to tools, and precise location of equipment and vehicles in the field. The device also facilitates the collection and updating of technical documentation directly on the jobsite. Additionally, Bluetooth enables wireless communication with accessories, increasing mobility and work efficiency.



Service and diagnostics

In harsh workshop conditions, the IP67-rated tablet guarantees complete safety, being completely resistant to dust, grease, accidental drops, and flooding. A stable WiFi connection provides instant access to technical diagrams and parts catalogs right from the hood, eliminating the need to leave the workstation for an office. Bluetooth connectivity allows for quick pairing with external meters or oscilloscopes, allowing for convenient reading of parameters on a large screen without tangled cables. This allows for efficient documentation of repairs with photos and immediate sending of cost estimates to the customer, significantly speeding up the service process.



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ACCESSORIES AND AVAILABLE VERSIONS

The modern MobiPAD MR-1007W tablet offers several accessories to suit specific operational requirements and budgets. The following list includes dedicated extensions that significantly enhance work comfort and the device's functionality in the field. Clicking on the product name will take you to detailed technical specifications and the current price.

The docking station



The docking station enables quick charging of the tablet and its stable integration with the warehouse or production infrastructure during stationary operation.

Check

The shoulder strap



The shoulder strap allows you to safely and comfortably carry your tablet without using your hands, minimizing the risk of the device falling in difficult working conditions.

Check

The hand strap



mobilator.plTM

The hand-strap ensures a secure grip of the device with one hand, allowing comfortable and safe operation of the screen during dynamic field work.

[Check](#)

The 360" ball head car holder



The ball-head car holder ensures stable tablet mounting in the vehicle and free adjustment of the screen angle and orientation for optimal data visibility.

[Check](#)

The OTG (On-The-Go) cable



The OTG cable turns the charging port into a USB host port, allowing you to directly connect accessories such as flash drives, keyboards, or barcode readers.

Check

The spare battery



The spare battery ensures continuity of multi-shift work by allowing immediate battery replacement without having to interrupt tasks and connect the tablet to the power supply.

Check

Spare power adapter



The backup power supply provides an alternative charging source at various work sites and ensures process continuity in the event of a failure or loss of the primary charger.

Check

Suitcase handle



A holder dedicated to industrial tablets significantly improves the comfort of everyday use of the device

Check

The MobiPAD MR-1007W tablet, designed for use in harsh environments, is available in several versions tailored to various needs. Clicking on the hardware configuration number will redirect you to the product with the parameters listed in the table below. Furthermore, upon request, we can create a configuration not currently available.

	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8	v.9
800x1280	+	—	—	+	+	+	+	—	—
1200x1920	—	+	+	—	—	—	—	+	+

800 nits	—	+	+	—	—	—	—	+	+
Scanner 2D	—	—	—	—	—	+	—	—	—
RFID	—	—	—	—	—	—	—	—	—
	v.10	v.11	v.12	v.13	v.14	v.15	v.16	v.17	
800x1280	—	—	+	+	—	—	—	—	
1200x1920	+	+	—	—	+	+	+	+	
800 nits	—	+	—	—	+	+	+	+	
Scanner 2D	—	—	+	+	—	+	—	—	
RFID	+	+	+	+	+	+	+	+	



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