



MobiPad DS-12CTR v.1 - Intel Core i5 1235U in military standards tablet, extreme temperature resistance - 12 inches, 10000mAh, 1xRJ45, 1xRS232, Windows 11 Pro

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	Mobilator
<b>Operating System:</b>	Windows 11 Pro (electronic license)Windows 11 IoT (optional)
<b>Display:</b>	12"   1200x2000
<b>Brightness:</b>	450 nits 700nits (Optional)
<b>Processor:</b>	<b>Intel i5-1235U</b> (10x max.4.4GHz Turbo) Intel i7-1255U (optional)
<b>Memory:</b>	16GB RAM 32GB (Optional)
<b>Hard Drive:</b>	256GB SSD M.2 SATA 512GB   1TB   2TB (Optional)
<b>Flash Memory:</b>	TF card (up to 1TB)
<b>Touch screen:</b>	Capacitive 10 - point touch
<b>Durability:</b>	IP67
<b>Drop:</b>	1,2 m
<b>Shock:</b>	MIL-STD-810H
<b>Vibration:</b>	MIL-STD-810H
<b>Temperature:</b>	Operating temperature: -20°C ~ 60°CStorage temperature: -30°C ~ 70°C
<b>Humidity:</b>	0% to 95%
<b>1D barcode scanner (reader):</b>	---
<b>2D barcode scanner (reader):</b>	None Newland N1 (Optional)

<b>RFID scanner (reader):</b>	None NFC 13.56MHz   RFID UHF (1m-3m)   RFID UHF (3.5m-5m) (Optional)
<b>Other:</b>	None FBI Fingerprint (Optional)
<b>Battery:</b>	10000 mAh   7.6V
<b>Working time on battery:</b>	10h (Play 1080P video under LCD 50% backlight)
<b>Fast battery replacement ability:</b>	Yes
<b>HotSwap battery:</b>	No
<b>LAN:</b>	1x RJ45
<b>WLAN:</b>	WiFi 6
<b>Bluetooth:</b>	Bluetooth 5.2
<b>WAN:</b>	4G LTE
<b>GPS:</b>	GPS   Galileo   GLONASS   UBlox M7N
<b>Camera:</b>	camera front: 8Mpxcamera rear: 12Mpx
<b>In/Out:</b>	1x USB 3 Type A   1x USB Type-C   1x DC 19V   1x Jack   PogoPin   1x MicroSIM   1x TF1x RJ45   1x RS232   1x mini HDMI   2x aviation plug (option)
<b>Optional accessories:</b>	Yes
<b>Docking station connector:</b>	Yes
<b>VESA standard – holders and mounts support:</b>	Yes
<b>COM port:</b>	1x RS232
<b>Magnetic card reader (MSR):</b>	No
<b>Microchip card reader:</b>	No
<b>Contrast:</b>	Yes
<b>Graphics card:</b>	Intel Iris Xe Graphics
<b>Chipset:</b>	Alder Lake-U
<b>BIOS:</b>	-----
<b>Casing material:</b>	PC+10%Fiberglass+TPU
<b>Flash Card Reader:</b>	TF
<b>CD/DVD:</b>	Nie

<b>Audio:</b>	2x speakers   2x MIC
<b>Keyboard:</b>	Onscreen
<b>Additional Navigation Devices :</b>	-----
<b>Color:</b>	Black
<b>Swivel Hinge:</b>	-----
<b>VGA out:</b>	No
<b>TV Out:</b>	No
<b>TV Tuner:</b>	No
<b>Security:</b>	IP67
<b>Waterproof:</b>	IPX7
<b>Sand and dust:</b>	IP6X
<b>Size:</b>	277.48 x 182.74 x 21.5mm
<b>Fanless casing:</b>	Yes
<b>Weight:</b>	1.22kg

**5 825,59 zł**

net price: 4 736,25 zł

# MobiPad DS-12CTR



**SPECIFICATION**

**DATA COLLECTING**

**RESISTANCE**

**WIRELESS COMMUNICATION**

**APPLICATION**

**ACCESSORIES AND AVAILABLE VERSIONS**

These durable able MobiPad DS-12CTR industrial tablets feature a 12-inch screen and

an IP67-rated case for complete dust and water resistance. Reliability in difficult terrain conditions is ensured by a powerful 10,000 mAh battery and modern 4G and WiFi 6 communication modules, ensuring constant access to the network in all circumstances.

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## SPECIFICATION

### MobiPad DS-12CTR v.1

Processor	Intel i5-1235U (10 cores, 12 threads, 1.3 GHz/4.4 GHz turbo) Intel i7-1255U * (optional)
Operating system	Windows 11 Pro (electronic license) Windows 11 IoT * (optional)
RAM DDR5	16GB 32GB * (optional)

# MobiPad DS-12CTR v.1

SSD M.2	<p>256GB</p> <p>512GB</p> <p>*</p> <p>  1TB</p> <p>*</p> <p>  2TB</p> <p><b>* (optional)</b></p>
Display	<p>12"   1200x2000</p> <p>450 nits   700nits</p> <p><b>* (optional)</b></p>
Touch screen	Capacitive (10-point)
Battery	<p>10000mAh</p> <p>Charging indicator</p>
Protection degree	IP67
Cards	1x Micro SIM   1x TF (up to 1TB)
Communication	4G   Bluetooth 5.2   WiFi 6   UBlox M7N
Connectors	<p>1x USB 3.0   2x USB 2.0   1x DC 19V   1x RS232</p> <p>1x Jack   Pogo Pin     1x RJ45   1x HDMI</p> <p>2x Aviation plug</p> <p><b>** (for Can/COM/USB/DC)</b></p>
Scanner 2D	<p>Newland N1</p> <p>*</p> <p><b>(optional)</b></p>

## MobiPad DS-12CTR v.1

Radio readers	NFC *  (optional) RFID UHF (1m-3m) *  (optional) RFID UHF (3.5m-5m) * (optional)
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\* Optional equipment available in the relevant product versions or on request

\*\* Possibility to select aviation connectors (Aviation plug) available in the configurator of each product version



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

The MobiPad DS-12CTR military tablet is based on the advanced Intel i5-1235U processor architecture, providing the computing power necessary to support the most demanding industrial applications. The ten-core unit guarantees lightning-fast data processing and full stability, both when working on single tasks and under heavy multi-process workloads. The device's design has been optimized for reliability in extreme environmental conditions, and for users requiring even higher performance, the tablet is also available in variants equipped with the Intel i7-1255U processor.

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### Ergonomic design

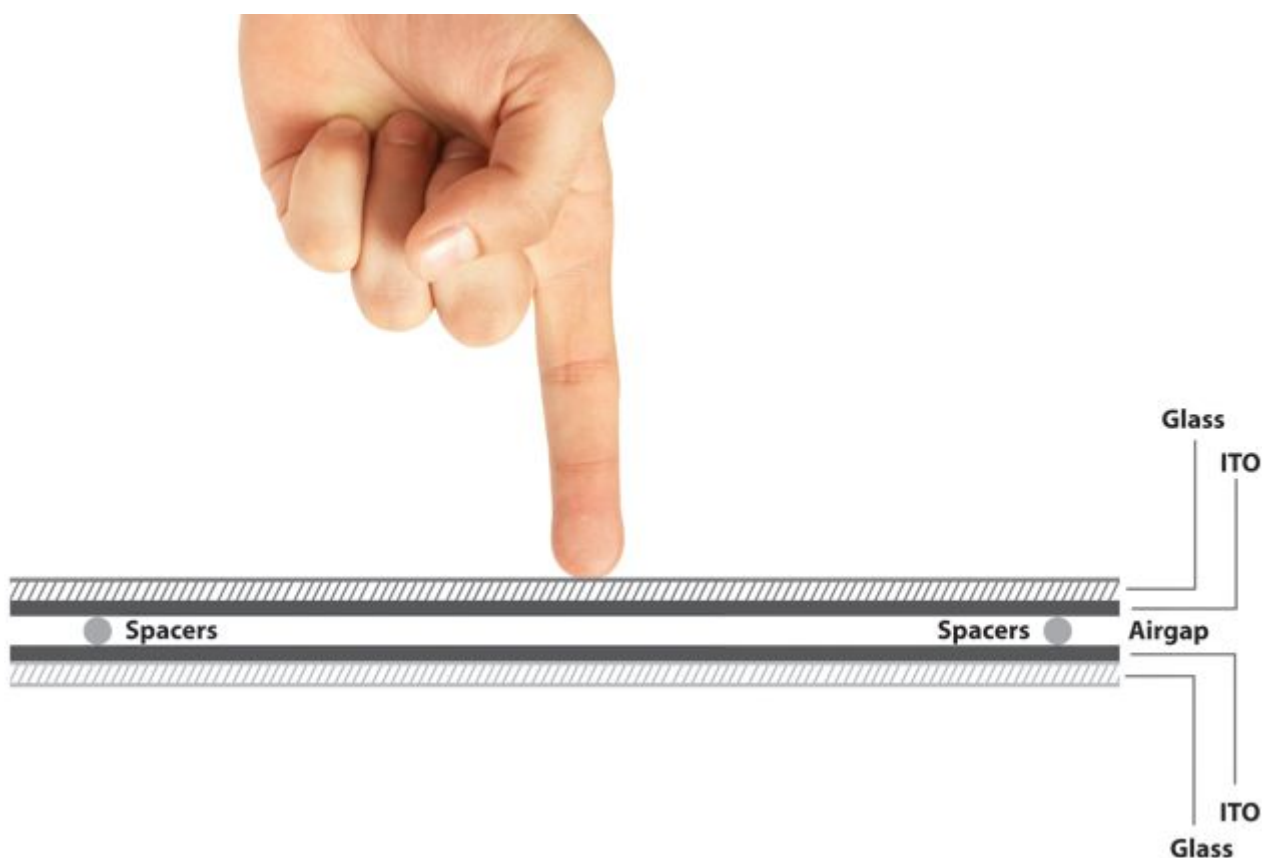
The MobiPad DS-12CTR tablet case is designed for maximum usability and comfort in a dynamic field environment. The device combines well-thought-out design geometry with intuitive interface layout, ensuring excellent screen readability and hassle-free operation in demanding operating conditions. Thanks to the ergonomic profile of the case, the tablet guarantees a secure grip and stability during use, which significantly increases the safety of the equipment and work efficiency.



The robust yet precisely balanced silhouette of the device ensures a secure grip

and full operational stability in a variety of use scenarios – from warehouse logistics, through construction sites, to advanced field inspections. The use of a reinforced housing not only guarantees the highest level of protection against mechanical damage, but also gives the tablet an ergonomic profile. Thanks to optimal weight distribution, the MobiPad design enables efficient and comfortable operation even during multi-hour operating cycles.

## Capacitive screen



The MobiPad DS-12CTR is equipped with a modern touchscreen that responds to the lightest contact, ensuring smooth and precise operation. Thanks to the use of capacitive technology, the screen instantly recognizes every command, which

significantly speeds up the operation of applications in the field. The display is highly transparent, offering a clear image without distortion, and its outer layer has been further reinforced to effectively protect against scratches and impacts. This solution is designed for intensive use – combines the sensitivity known from modern smartphones with the durability required in harsh industrial conditions.

450 | 700



(optional) nits screen

The 450-nit display provides a clear and readable image both inside industrial halls and when working outdoors. Thanks to its high luminance and wide viewing angles, the presented data remains perfectly visible from almost every angle. This eliminates the need for cumbersome positioning of the tablet relative to the sun or overhead lighting, which significantly increases comfort and smooth operation in variable lighting conditions.

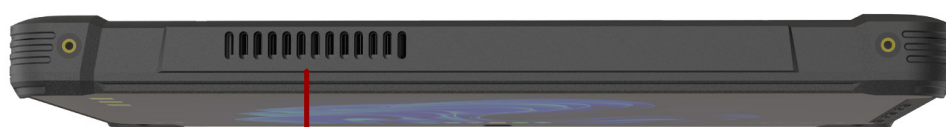


The DS-12CTR mobile tablet screen design is designed to effectively minimize light reflections, significantly reducing eye strain during long work sessions. High contrast and even backlighting of the matrix ensure precise interface operation and error-free reading of detailed technical diagrams, even in full sun. This display characteristic is crucial in demanding environments where the readability and clarity of information have a direct impact on the speed and precision of tasks performed.

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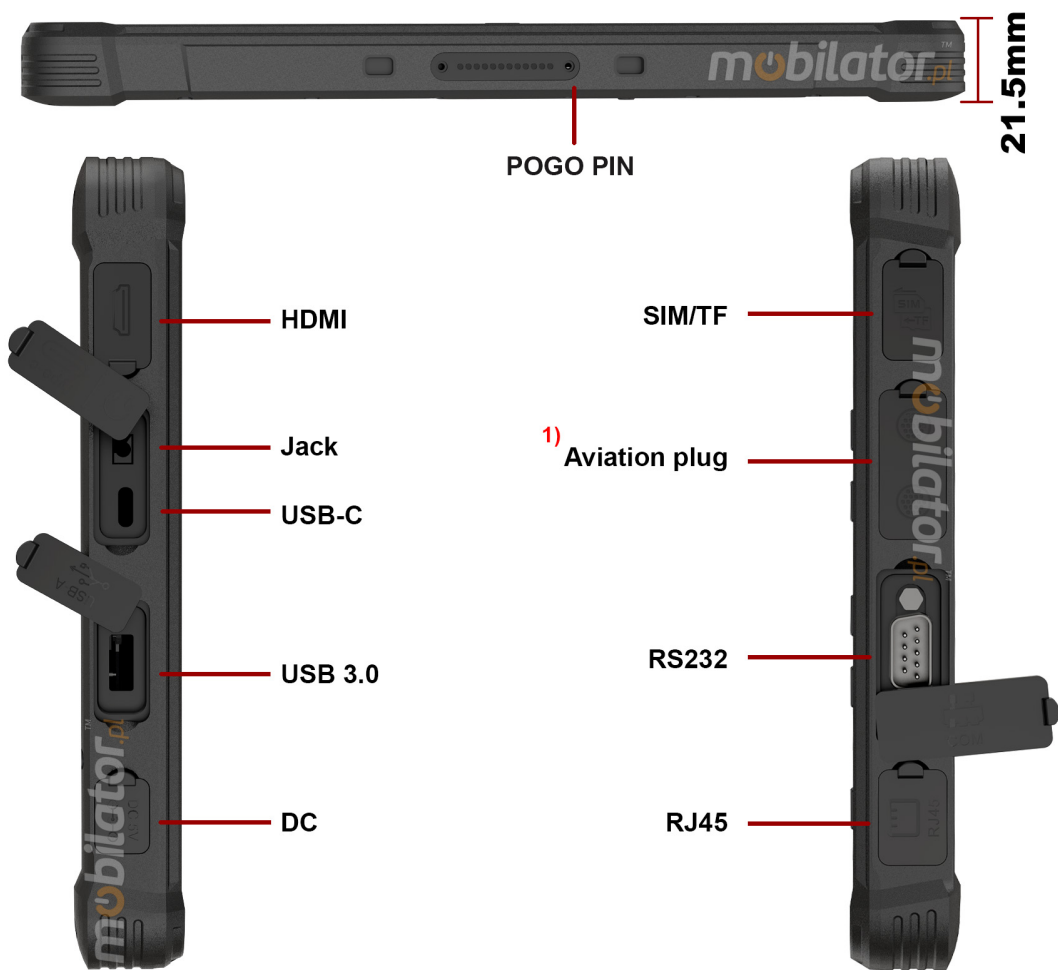
## Connectors, buttons and dimensions

The device is designed to address the real challenges posed by the most demanding industries. Its wide selection of ports and communication interfaces, combined with its armored design, makes it an ideal tool for intensive work in industry, logistics and the field services sector. The resilient DS-12CTR guarantees full operational continuity wherever hardware reliability and lightning-fast data access determine the success of tasks.

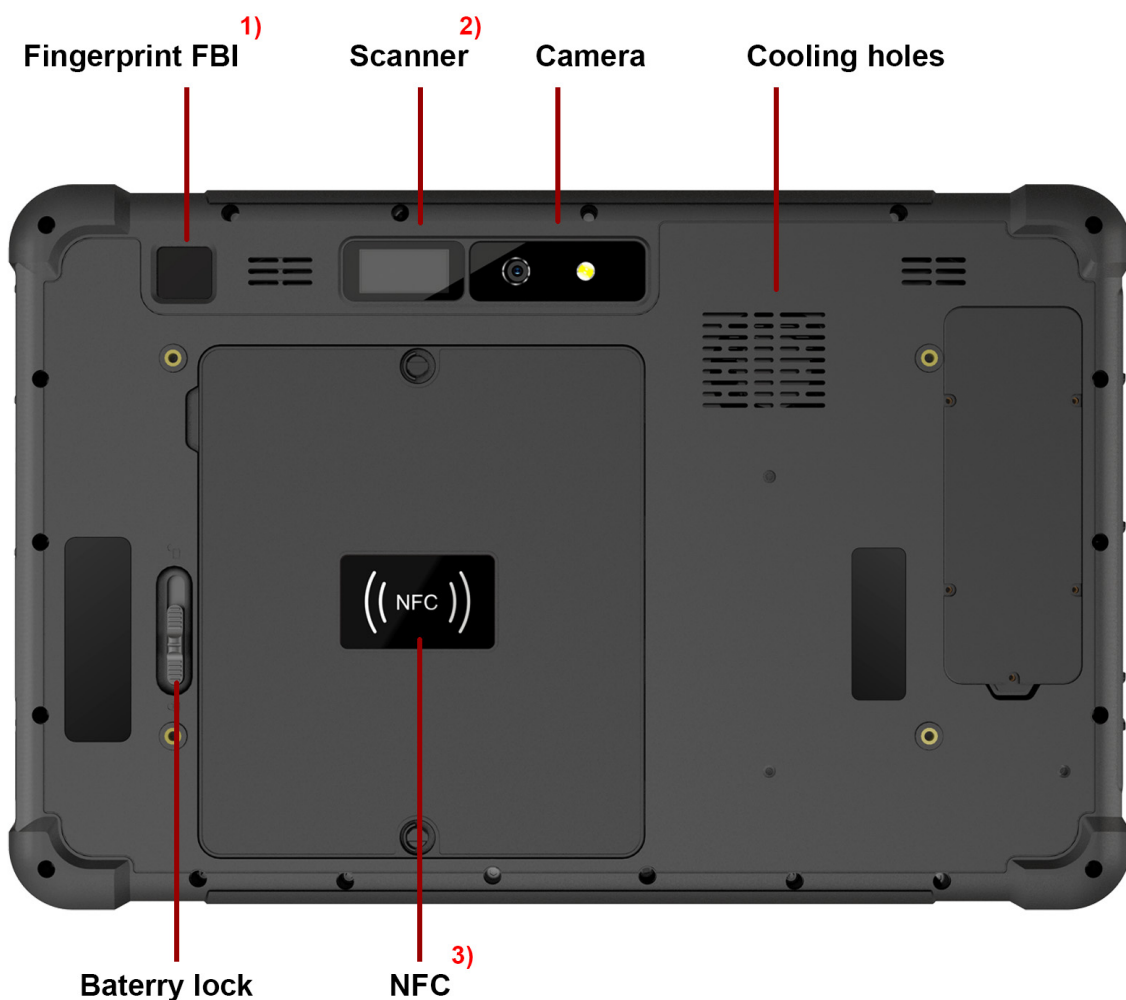


Cooling holes





1)  
Aviation plug available during device configuration



- 1) Advanced FBI Fingerprint available in appropriate product versions or upon request
- 2) 2D scanner available in appropriate product versions or upon request
- 3) NFC available in appropriate product versions or upon request

<b>Dimensions</b>	327.48 x 182.74 x 21.5 mm
<b>Weight</b>	1.22kg

The antique MobiPad DS-12CTR tablet offers a comprehensive set of interfaces, including two speakers, a microphone, and USB 3 Type A and USB Type C ports.

The device is equipped with a dedicated DC Jack power socket, a classic 3.5mm Jack audio output, and a mini HDMI port for transferring images to external screens. Stable network communication and data exchange are provided by: a Micro SIM card slot, an RJ45 port and a TF card reader (MicroSD) supporting capacities up to 1 TB.

Support for professional control systems is provided by an RS232 serial port and a PogoPin connector for the docking station. A unique solution is two reinforced aviation connectors (aviation plug) – they provide an extremely durable and vibration-resistant connection to the most demanding industrial accessories.

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## DATA COLLECTING

NFC  
•  
(optional)

The NFC proximity technology used is a standard for wireless data exchange that allows for full process automation in industrial conditions. It eliminates the need to manually enter information, significantly improving workflow identification and management.



The MobiPad DS-12CTR has an advanced NFC module (13.56 MHz), fully compliant with ISO 14443A/B and 15693 standards. The device seamlessly supports popular Mifare and DESFire tags and specialized industrial tags. This solution enables instant employee authorization, quick pairing of accessories, and automatic application launch when the tablet is brought close to the marker. Wide compatibility with tags on machines and shipments makes the terminal dramatically speed up the flow of information and simplify daily operations in complex logistics and warehouse systems.

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

## Scanner 2D \* (optional)

The functional MobiPad DS-12CTR offers a wide range of configuration options, allowing for precise adjustment of equipment to the specific tasks performed – from operations based solely on data processing to advanced commodity identification systems.



In selected versions, the tablet has an integrated, professional 2D code reader. These variants can be equipped with the powerful Newland N1 module, which guarantees instant reading of codes, including those displayed on mobile device

screens. With full-range 360° omnidirectional scanning technology, operators can work much faster and more efficiently. This solution is ideal for a dynamic warehouse and logistics environment where reliability and immediate identification of resources in all field conditions are priorities.

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

RFID \* (optional)

The MobiPad DS-12CTR offers advanced remote identification capabilities thanks to the use of UHF RFID modules, which significantly expand the device's operational potential compared to standard proximity solutions. Depending on the configuration chosen, the tablet can be equipped with a reader with a standard range of 1 to 3 meters, ideal for precise verification of goods, or with a variant with an extended range of 3.5 to 5 meters, dedicated to mass reading of data from a long distance.



The use of UHF technology allows for the rapid identification of multiple objects simultaneously without the need for direct visual contact with the tag, which radically speeds up inventory processes and loading control. Thanks to this flexible approach to reading parameters, MobiPad ensures full control over the supply chain and maximum work efficiency in modern logistics centers and high-bay halls.

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

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## RESISTANCE

IP67 protection degree




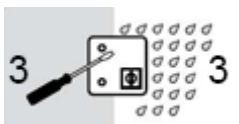
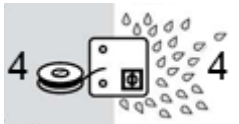

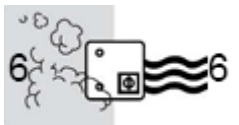

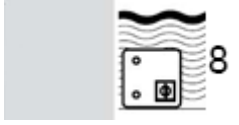


The IP67 seal class provides a high level of protection of the housing against external factors typical of field work and industrial environments. This designation guarantees full dustproofness and resistance to water – including splashes, low-pressure jets and short-term immersion to a depth of 1 meter (while maintaining specific time and pressure conditions). In practice, this means that the device can be safely used in dusty places and during rainfall, without the risk of damage. This design increases equipment durability and reduces the risk of unplanned downtime, even in demanding operating conditions.

Firts digit

Protection level

Second digit

No special protection		No special protection
Protection from solid objects greater than 50mm in diameter		Protection from dripping water
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 protection 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 robust design of the MobiPad DS-12CTR tablet is precisely designed to provide advanced protection of internal components against the effects of

random events. Test-proven resistance to falls from heights exceeding 1 meter effectively eliminates the risk of damage resulting from accidental impacts or drops. Thanks to such a reinforced structure, the device thrives in intense and unpredictable operating conditions, guaranteeing reliability where standard mobile solutions could fail.

## Extreme temperatures

Specialized MobiPad DS-12CTR tablet designed for failure-free operation in extreme temperatures. Its ability to operate in extreme conditions of up to 60°C in the black is a key asset, guaranteeing full process continuity in the most demanding refrigeration environments and polar expeditions.

**Operating temperature -20°C ~ 60°C**

**Storage temperature -30°C ~ 70°C**



Equally important is the high resistance to air humidity, up to 95%. This parameter allows for safe operation of the device in places with high water vapor condensation and in rapidly changing weather conditions. Such a wide environmental tolerance makes the tablet a reliable tool wherever standard electronics stop functioning.

<b>Operation Temp.</b>	-20°C do 60°C
<b>Storage Temp.</b>	-30°C do 70°C

## wireless communication

### GPS Navigation

The MobiPad DS-12CTR is based on the professional UBlox M7N module, which provides advanced positioning by supporting GPS, GLONASS, Galileo and BeiDou systems. The use of this renowned system allows for rapid determination of coordinates and maintaining high measurement accuracy, even in demanding environments with limited sky visibility. Thanks to simultaneous communication with multiple satellite standards, the device guarantees stable signal reception in dense development or forested areas where typical navigation solutions often fail.

### Bluetooth 5.2

The Bluetooth 5.2 module used guarantees stable and uninterrupted wireless communication with a wide range of industrial accessories. The latest generation of this standard focuses on maximum energy efficiency, which allows for maintaining a constant connection with minimal battery load. The device intelligently manages signal power, instantly switching to full performance mode only when necessary for data transmission. This allows MobiPad to offer extended operating times without having to sacrifice the speed and reliability of information transfer.

## WiFi network

The powerful DS-12CTR tablet model supports the modern Wi-Fi 5 standard, offering significant bandwidth increases while maintaining full backward compatibility. By operating in two bands – 2.4 GHz and 5.8 GHz–, the device allows for intelligent selection of a less loaded channel, which effectively eliminates interference in the company's dense network infrastructure.

Standards

WiFi 5

## APPLICATION

### Trade and Service

Thanks to their versatility and intuitive operation, reinforced tablets are a key work tool for modern sales representatives. The use of advanced software on shock-resistant devices allows for instant management of the customer base and real-time control of product status.

The drop-resistant design ensures reliability in everyday field work, enabling the immediate generation and transmission of documents such as orders and invoices directly to company systems. This solution not only speeds up the circulation of documentation, but also minimizes the risk of errors, ensuring full synchronization of commercial activities with the company's logistics facilities.



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## Industry and Construction

Industrial-grade tablets are defined primarily by uncompromising resistance to extreme operating conditions. Dustproof and waterproof housings, designed in accordance with the rigorous military standard MIL-STD-810H and leak-proof class IP67, guarantee complete safety of use in production halls, heavy industry plants and construction sites.

This high degree of protection makes these devices a reliable foundation for supervising and controlling technological processes. They allow for continuous collection and precise analysis of data directly at the point of generation, eliminating the risk of equipment failure caused by a difficult working

environment.



## Service and logistics

The use of a reinforced tablet with an IP67 protection rating enables the complete elimination of paper documentation in demanding service zones. The design of the device has been adapted for intensive use in places exposed to grease, dust and accidental splashes, which guarantees full functionality where standard electronics fail.

Thanks to stable wireless connectivity, the service technician gains the ability to quickly verify parts availability, update repair history and approve cost estimates directly at the vehicle. Such mobility eliminates unnecessary downtime and the need to return to the computer station, which directly translates into faster order fulfillment and improved customer service standards.



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## AVAILABLE VERSIONS

The MobiPad DS-12CTR is designed with full flexibility in mind, allowing you to precisely tailor the device to your specific operational needs and budget. The comfort of daily use is enhanced by dedicated accessories, such as a docking station for fast charging and stable data synchronization, and an ergonomic wrist rest that guarantees a secure grip and eliminates the risk of accidental drops during intensive field work.

## Docking station



The docking station ensures fast charging of the tablet and its secure and stable connection to storage or production systems during stationary operation.

Check

## Wrist strap (4-points)



The wrist strap allows you to carry your tablet comfortably and safely without having to use your hands, reducing the risk of dropping it in a demanding work environment.

[Check](#)

The tablet is available in several hardware configurations, optimized for diverse industrial applications. After selecting the variant number, you are redirected to the model specification corresponding to the data contained in the table. After selecting the variant number, the user is redirected to a specific model page with parameters corresponding to the data from the table. Additionally, upon special request of the customer, it is possible to prepare an individual hardware configuration, adapted to the specific requirements of the company, which goes beyond the framework of a standard catalog offer.

[v.1](#)

[v.2](#)

NFC

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+



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