



MobiPAD 7720X 5G - Ergonomic industrial tablets, 10000mAh battery, IP68 standard, Android 15 and GPS - designed for use by cyclists

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	Mobikator
<b>Operating System:</b>	Android 15with GMS
<b>Display:</b>	7"1920x1080 FHD
<b>Brightness:</b>	<b>2600 nits</b>
<b>Processor:</b>	MediaTek Kompanio 900T (MT8791T)Octa-core Up to 2.6 GHz   6nm process
<b>Memory:</b>	8GB RAMLPDDR4
<b>Hard Drive:</b>	256GB UFS
<b>Flash Memory:</b>	---
<b>Touch screen:</b>	Capacitive
<b>Durability:</b>	IP68
<b>Drop:</b>	1,5 m
<b>Shock:</b>	MIL-STD-810
<b>Vibration:</b>	MIL-STD-810
<b>Temperature:</b>	Operating temperature: -20°C ~ 55°CStorage temperature: -40°C ~ 80°C
<b>Humidity:</b>	5%-95% (non-condensing)
<b>1D barcode scanner (reader):</b>	No
<b>2D barcode scanner (reader):</b>	No
<b>RFID scanner (reader):</b>	No
<b>Other:</b>	Operating altitude: up to 4,500m
<b>Battery:</b>	10000mAh
<b>Working time on battery:</b>	10/12h

<b>Fast battery replacement ability:</b>	Yes
<b>HotSwap battery:</b>	No
<b>LAN:</b>	---
<b>WLAN:</b>	WIFI 6
<b>Bluetooth:</b>	Bluetooth 5.2
<b>WAN:</b>	<b>5G</b>
<b>GPS:</b>	L1+L5 GPS   BeiDouGLONASS   Galileo   QZSS
<b>Camera:</b>	Rear: 48MP + 5MPFront: 8MP
<b>In/Out:</b>	Type-C   PogoPin   M8 InterfaceSMA Interface   Jack   SIM   TF   MIC
<b>Optional accessories:</b>	No
<b>Docking station connector:</b>	Yes
<b>VESA standard - holders and mounts support:</b>	---
<b>COM port:</b>	M8 (DC/RS232)
<b>Magnetic card reader (MSR):</b>	No
<b>Microchip card reader:</b>	No
<b>Contrast:</b>	Yes
<b>Graphics card:</b>	ARM G68 MC4
<b>Chipset:</b>	MediaTek Kompanio 900T
<b>BIOS:</b>	-----
<b>Casing material:</b>	TPU   PC   ABS composite reinforced with 10% fiber and Al-Ti alloy
<b>Flash Card Reader:</b>	TF
<b>CD/DVD:</b>	-----
<b>Audio:</b>	MIC   Speaker
<b>Keyboard:</b>	Onscreen
<b>Additional Navigation Devices :</b>	-----
<b>Color:</b>	Black
<b>Swivel Hinge:</b>	No
<b>VGA out:</b>	No
<b>TV Out:</b>	No
<b>TV Tuner:</b>	No
<b>Security:</b>	IP68
<b>Waterproof:</b>	IPX8
<b>Sand and dust:</b>	IP6X
<b>Size:</b>	213 x 126 x 22mm

<b>Fanless casing:</b>	Yes
<b>Weight:</b>	660g

**4 520,25 zł**  
net price: 3 675,00 zł

## MobiPad 7720X 5G



**SPECIFICATION**

**RESISTANCE**

**WIRELESS COMMUNICATION**

**APPLICATION**

The MobiPAD 7720X 5G represents an absolute breakthrough in the category of mobile systems for special missions. It is a modern work tablet that, thanks to its built-in wireless modules, serves as a reliable communication hub in the most demanding outdoor environments. Its undeniable advantage is its exceptionally clear 2600-nit display, which provides exemplary image sharpness in intense daylight, making it a unique piece of equipment for two-wheeled enthusiasts and aircraft operators demanding flawless visual transmission. Complementing the entire architecture is a massive 10,000 mAh battery, guaranteeing an astonishing battery life without the need for regular power connections during long journeys.

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## SPECIFICATION

MobiPad 7720X 5G	
Processor	MediaTek Kompanio 900T (MT8791T) Octa-core Up to 2.6 GHz   6nm process
Operating system	Android 15 (GMS)
RAM	8GB LPDDR4
UFS	256GB
Communication	GPS   BT 5.2 5G   WiFi 6
Display	7" 1920×1080   FHD 2600 nitów
Touch screen	Capacitive
Sensors	Gravity   Geomagnetic   Gyroscope Rotation Vector Ambient light   Accelerometer
SIM card	Dual Nano SIM
Battery	10000mAh
Connections	Type-C   PogoPin   M8 Interface SMA Interface   Jack   SIM   TF   MIC
Resistance	IP678   MIL-STD-810
Charger	5V 2A   12V 1.5A   9V 2A Supports the PD fast charging protocol
Guarantee	1 year



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

A modern approach to technology allows for unprecedented freedom of action in any circumstances. The hardware is powered by a fast, octa-core MT8791T (2.6GHz) 6nm processor, which promises efficient operation even during demanding tasks. This internal component ensures smooth operation of multiple functions simultaneously, while the tablet maintains good form and low power consumption, ensuring reliable operation in challenging environments.

### Ergonomic design

This device sets completely new standards in terms of mobility and everyday comfort. The MobiPAD 7720X 5G captivates with its fresh look and compact, handy design that fits perfectly in the user's hand. Its balanced dimensions make it comfortable and easy to use for numerous sessions.



Exceptional attention to design detail allows for easy movement without unnecessary burden. Thanks to its compact size and 660g weight, the MobiPAD 7720X 5G easily fits into any holder or mount, making it an excellent travel companion. Furthermore, its slim design enhances maneuverability, allowing for quick and efficient use of all functions in any situation.

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Capacitive screen



A capacitive screen is coated with a transparent conductive layer that creates a constant electrostatic field on its surface. When a finger touches the screen, it distorts this field, changing the electrical capacitance at a specific point. Sensors register this change, and a processor calculates the precise position of the touch, converting it into a control signal.

### 2600 nits screen

The 2600-nit screen is a true breakthrough for industrial tablets operating in direct sunlight. It provides excellent readability where traditional displays become unreadable, reflective surfaces. Even in very intense lighting, the image remains clear, high-contrast, and easy to read, eliminating the need to search for shade or change viewing angles.



This high luminance translates directly into greater precision and speed. The user can instantly read data, reducing the risk of errors resulting from information being lost. In environments where every second counts – both in industry and in the field – this translates into a real increase in safety and work efficiency, even in the most demanding outdoor conditions.

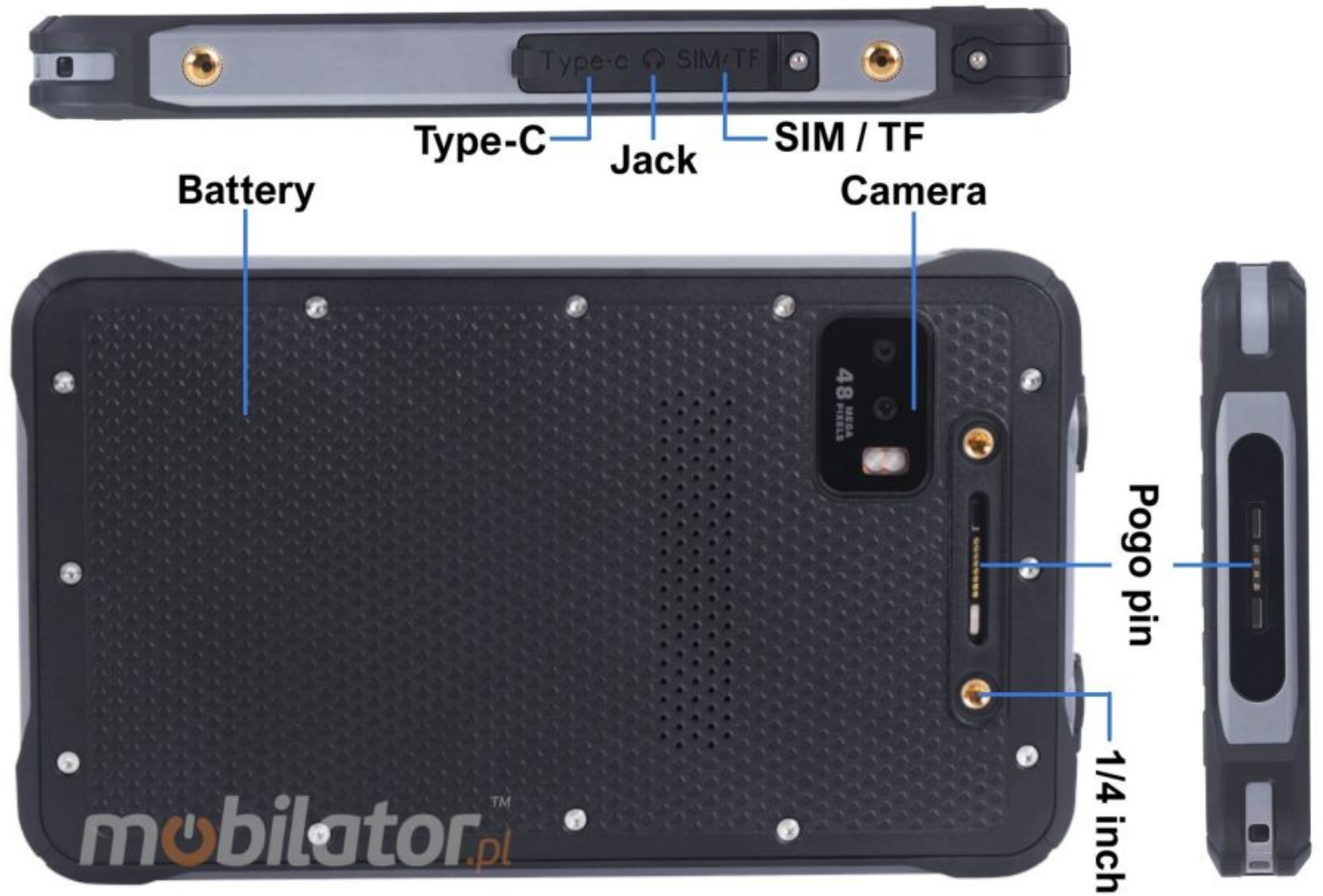
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## Connectors, buttons and dimensions

The tablet offers advanced connectivity thanks to a USB Type-C port with OTG functionality and a 4-pin magnetic connector. The device features industry-standard interfaces: the M8 Aero Head with RS232 support and a 24-pin expansion connector supporting TTL and USB Host standards. Connectivity flexibility is ensured by a triple slot, allowing simultaneous use of two nano-SIM cards and a microSD card. Precise operation is ensured by a rich set of

sensors, including a gyroscope, accelerometer, geomagnetic sensor, and light sensor. The power supply supports the PD fast charging protocol, offering a wide voltage range from 5V to 12V. The entire design is optimized for stable data transfer and reliable power supply in demanding environments.





<b>Dimensions</b>	213 x 126 x 22mm
<b>Weight</b>	660g





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## RESISTANCE

IP68 protection class



The IP68 standard specifies a high level of protection for the device against the ingress of solid objects and water. The first digit, "6," indicates complete dustproofing, meaning complete protection against dust and fine particles. The second digit, "8," indicates resistance to prolonged immersion in water (to a specific depth and duration specified by the manufacturer), allowing for safe use of the device in demanding environmental conditions.

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°)
Protection from object not greater than 2,5mm in diameter	3  3	Protection from sprayed water (tilted up to 60°)

Firts digit	Protection level	Second digit
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

## MIL-STD-810

Compliance with the MIL-STD-810 standard (1.5m drop test) means the device has been designed and tested for durability in harsh environmental conditions and accidental drops, confirming its suitability for field and industrial applications. IK05 protection indicates the enclosure's resistance to mechanical impacts of a specified energy, protecting the device from damage resulting from everyday use. In practice, such parameters translate into greater durability, reliability, and a reduced risk of downtime and costly repairs.

## Extreme temperatures

A wide operating temperature range of -20°C to 55°C means the industrial tablet can be reliably used in both freezing outdoor conditions and hot production environments without any performance loss or failure. Equally important is the storage temperature range of -40°C to 80°C, demonstrating the device's resistance to extreme transport and storage conditions. Such parameters confirm the high durability of the design and make the device suitable for demanding industrial, logistics, and field applications.

**Operation temperature : -20°C ~ 55°C**

**Storage temperature : -40°C ~ 80°C**



<b>Operation Temp.</b>	-20°C to 55°C
<b>Storage Temp.</b>	-40°C to 80°C
<b>Humidity</b>	5% to 95%

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## WIRELESS COMMUNICATION

### GPS Navigation

The navigation system utilizes multiple satellite constellations simultaneously (GPS, BeiDou, GLONASS, Galileo, QZSS), improving positioning accuracy and reliability, especially in challenging terrain. Dual-frequency support (L1 + L5) helps eliminate signal errors, such as

atmospheric interference, for more precise positioning. A 5-10 Hz refresh rate means the location is updated 5 to 10 times per second, resulting in smoother and more accurate tracking.

## Bluetooth 5.2

Bluetooth 5.2 Low Energy (LE) introduces Isochronous Channels, enabling real-time, synchronous data transmission. This provides the basis for solutions such as LE Audio, which enables energy-efficient, high-quality audio transmission and simultaneous signaling to multiple devices. This technology improves synchronization and latency predictability and can also contribute to more stable connections and improved energy efficiency, depending on the implementation and operating conditions.

## Wi-Fi network

The use of the WiFi 6 (802.11ax) standard in a dual-band 2x2 configuration ensures the MobiPAD 7720X 5G tablets provide reliable connectivity and high throughput even in areas with high radio signal density and structural barriers. Support for the 2.4/5 GHz bands and multi-antenna technology ensure a stable connection to the network infrastructure, eliminating data transfer interruptions. The modern 802.11ax architecture simultaneously optimizes power consumption and ensures full backward compatibility, providing the foundation for seamless communication in any professional work environment.

<b>Standards</b>	WiFi 6
<b>Frequencies</b>	DDual-band Wi-Fi 2.4 / 5GHz 802.11 a/b/g/n/ac/ax

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## APPLICATION

High-performance hardware enclosed in an armored casing makes the MobiPAD 7720X 5G the optimal choice for off-road and motorsports enthusiasts. The 8GB LPDDR4 memory architecture combined with 256GB UFS storage enables lightning-fast data readout and stable system operation during dynamic driving in demanding conditions. The extreme 2600-nit screen allows for precise tracking of vehicle and route parameters regardless of the time of day or ambient light. Thanks to its compact design (213 x 126 x 22mm), the tablet easily integrates into the cockpits of high-performance vehicles, offering a clear 1920x1080 FHD display and the reliability of professional rally equipment.



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## Drone Pilots

The technical specifications of the MobiPAD 7720X 5G tablet have been optimized for

professional drone pilots. A key feature is the 7-inch FHD (1920x1080) display with an above-average brightness of 2600 nits, ensuring seamless operation without the need for sunshades. Measuring 213 x 126 x 22 mm, the device fits standard mounting systems while offering the highest mechanical durability. The combination of a compact form factor with a high-density pixel matrix and powerful luminosity enables precise monitoring of drone images in real time.



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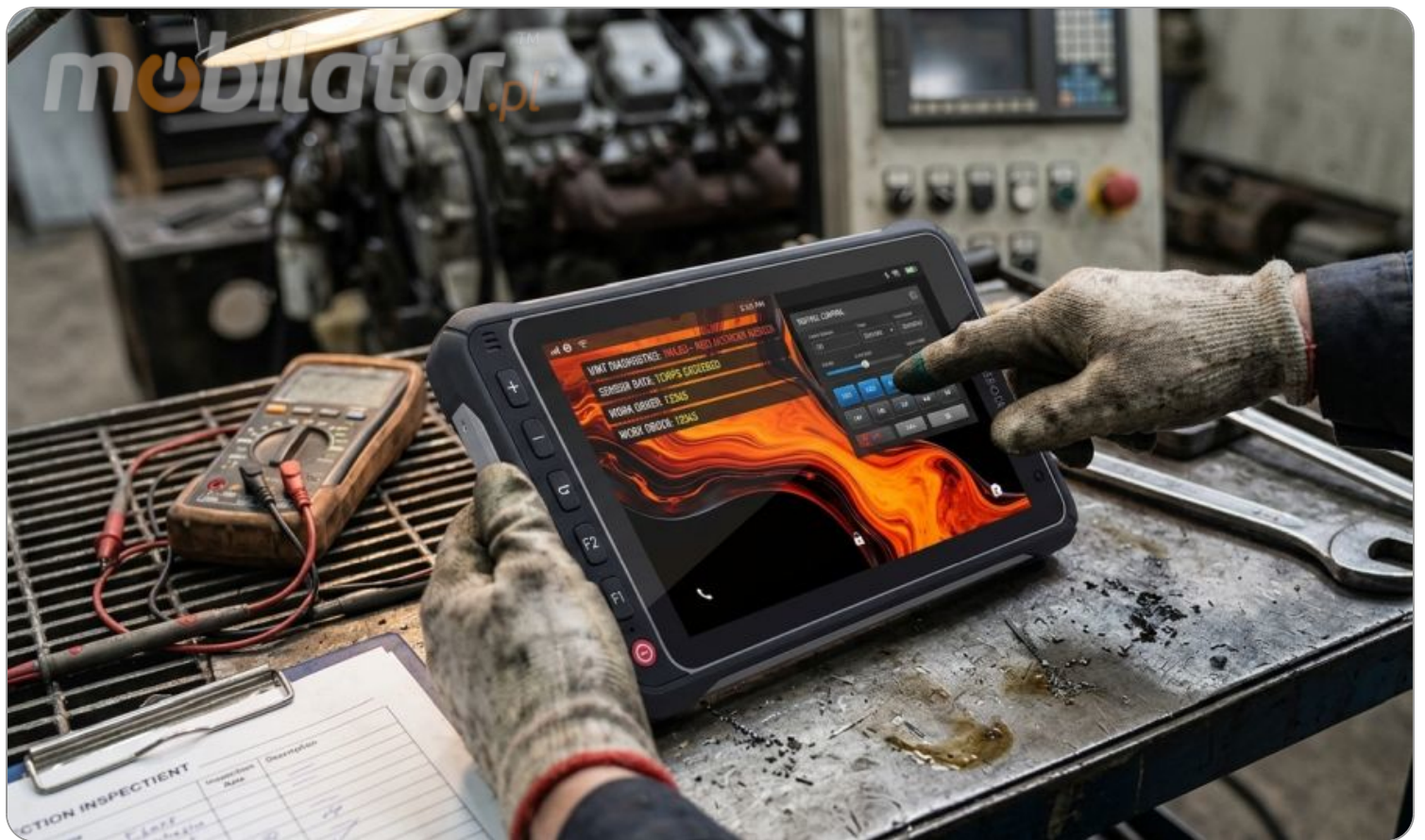
## Industry and Construction

Reliable operation in dusty or humid environments is possible thanks to the advanced protection offered by the MobiPAD 7720X 5G industrial tablets. MIL-STD-810 certification and IP68 standards protect the electronics from drops and spills. A key feature of the specification is the 10,000 mAh battery, allowing for intensive use throughout an entire work shift. The rugged construction and long operating time make it ideal for use in harsh environments.



## Service and diagnostics

Modern diagnostic facilities begin with a powerful tablet running Android 15 (GMS), which guarantees instant access to the latest service applications. Using Bluetooth 5.2 LE, the device instantly pairs with interfaces and gauges throughout the workshop. Intuitive software allows for instant access to diagrams and report creation right at the vehicle. The use of such advanced mobile solutions guarantees precision and the highest standard of service in every modern service center.



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