



MobiPAD 7720X 4G - Rugged 7-inch industrial tablet with a 2600 nits screen, Android 15, IP68, GPS, 4G LTE - for work in demanding conditions

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	Mobikator
<b>Operating System:</b>	Android 15with GMS
<b>Display:</b>	7"1920x1080
<b>Brightness:</b>	<b>2600 nits</b>
<b>Processor:</b>	MediaTek Helio G99 (MTK8781)Octa-core Up to 2.2GHz   6nm process
<b>Memory:</b>	8GB RAM
<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 5
<b>Bluetooth:</b>	Bluetooth 5.2
<b>WAN:</b>	4G LTE   TDD   FDD
<b>GPS:</b>	L1+L5 GPS   BeiDouGLONASS   Galileo   QZSS
<b>Camera:</b>	Rear: 48MP + 5MP Front: 8MP
<b>In/Out:</b>	Type-C   PogoPin   M8 Interface SMA Interface   Jack   SIM   TF   MIC
<b>Optional accessories:</b>	---
<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 Mali TM-G57
<b>Chipset:</b>	MediaTek Helio G99
<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>	2x speakers   2x MIC
<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

**4 003,65 zł**

net price: 3 255,00 zł

# MobiPad 7720X 4G



**SPECIFICATION**

**RESISTANCE**

**WIRELESS COMMUNICATION**

**APPLICATION**

**ACCESSORIES AND AVAILABLE VERSIONS**

Modern technology excels wherever reliability and durability are key. The MobiPAD 7720X 4G tablet is an advanced device that, thanks to Wi-Fi, Bluetooth 5.2, and precise GPS, ensures stable communication in challenging conditions.



The bright 2600-nit screen guarantees readability even in direct sunlight, making it ideal for navigation users. A 10,000 mAh battery ensures long battery life without recharging. It's a practical solution for cyclists and motorcyclists.

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## SPECIFICATION

### MobiPad 7720X 4G

Processor	MTK8781 Octa-core (2.2GHz) 6nm
Operating system	Android 15 (GMS)
RAM	8GB
UFS	256GB
Communication	4G   BT 5.2   WiFi 5   GPS
Display	7" 1920×1080   FHD 2600 nits
Touch screen	Capacitive
Sensors	Gravity   Geomagnetic   Gyroscope Rotation Vector Ambient light   Accelerometer
SIM card	Dual Nano SIM
Battery	10000mAh

## MobiPad 7720X 4G

Connections	Type-C   PogoPin   M8 Interface SMA Interface   Jack   SIM   TF   MIC
Resistance	IP678   MIL-STD-810
Charger	5.0V 2A-10W
Guarantee	1 year



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

The device's performance is powered by a MediaTek Helio G99 (MTK8781) processor with an Arm Mali-G57 850 MHz graphics card, which ensures fast application performance. It enables the smooth operation of multiple functions simultaneously, such as maps and communication systems. Thanks to its modern design, it maintains good energy efficiency and stability, even in demanding conditions.

### Ergonomic design

Modern design harmoniously combines with practicality, creating a product refined in every detail. The MobiPAD 7720X 4G portable device stands out with its innovative design and compact, ergonomic form that fits naturally in the hand

and ensures a secure grip in any situation. Thoughtful proportions and low weight make the device comfortable for both everyday use and longer trips.



Rounded edges, durable materials, and meticulous finishing enhance comfort and resistance to heavy use. This ensures intuitive and enjoyable use, even during long sessions, regardless of the conditions in which it's used.

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## Capacitive screen



Capacitive screens in industrial tablets operate by detecting changes in the electric field on the display surface. The screen matrix is covered with a transparent conductive layer, which creates a small electrostatic field. When the user touches the screen with a finger (or a special stylus), a local change in this field occurs—the device registers the exact point of contact and immediately interprets it as a command. This enables highly precise and rapid touch response, as well as multi-touch operation.

## 2600 nits screen

The display effectively handles challenging lighting conditions. The MobiPAD 7720X 4G tablet offers a brightness level of 2600 nits, ensuring a clear image even in direct sunlight. High luminance eliminates visibility issues and significantly

improves work comfort. This is especially important in technical applications, where fast and clear access to data is crucial.



The screen has been optimized to reduce glare, significantly reducing eye fatigue during extended work. High contrast and uniform backlighting ensure precise system operation and the readability of technical drawings even in bright daylight. This is crucial in environments where information clarity impacts the pace and efficiency of operations.

## Connectors, buttons and dimensions

This advanced industrial tablet offers a wide range of connectivity options, including triple slots for two nano-SIM cards and a microSD card. The device features a universal USB Type-C port with OTG and a dedicated 4-pin magnetic connector, ideal for use with docking stations. A key feature is the M8 Aero Head interface, which supports the RS232 standard, enabling professional machine communication. A 24-pin expansion connector supports TTL serial port and USB Host functionality for added flexibility. The tablet also features an integrated sensor suite, including an accelerometer and ambient light sensor, that respond to real-time environmental conditions. The power supply supports the PD fast charging protocol, offering a wide input voltage range for complete reliability in the field.

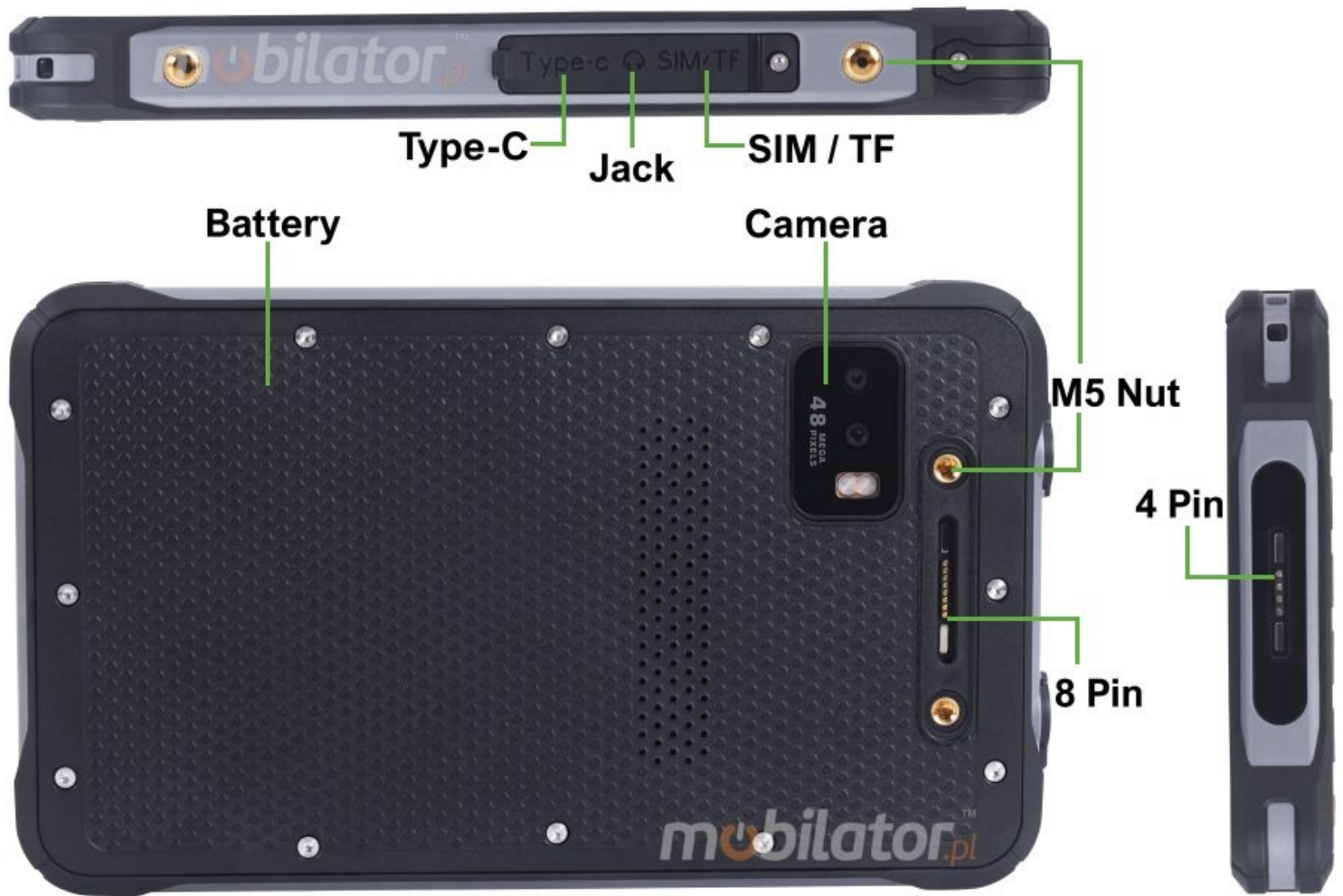


22mm



126mm

213mm



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



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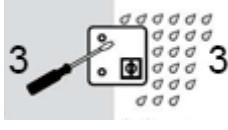

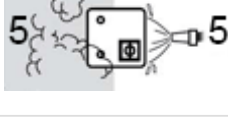



## RESISTANCE

IP68 protection class



IP68 is an international standard that specifies a device's level of protection against dust and water. The number "6" indicates the highest possible dust resistance, while "8" guarantees resistance to continuous immersion in water (typically to a depth of 1.5 meters for 30 minutes). In practice, this certification ensures that the device will survive an accidental dip in a pool or use in a very dusty environment.

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

## MIL-STD-810

The MIL-STD-810 compliant (1.5m) certification means that the MobiPAD 7720X 4G has passed rigorous US military durability tests and can survive drops from up to 1.5 meters onto a hard surface. The IK05 impact protection standard specifies the casing's mechanical impact resistance, equivalent to an impact energy of 0.7 joules, protecting the device from the effects of typical, everyday impacts. The combination of these two parameters guarantees a device significantly more

robust than standard consumer electronics and is suitable for harsh field and industrial environments. This reinforcement means users don't have to worry about sudden failure if the device is accidentally dropped or hit against the edge of a desk.

## Extreme temperatures

The MobiPAD 7720X 4G tablet is designed for use in extreme conditions – from freezing warehouses to scorching hot production halls. The device maintains full performance in temperatures ranging from -20°C to 55°C, and its reinforced design allows for safe storage at temperatures up to 80°C. It provides reliable support for professionals, expedition enthusiasts, and drone operators for whom stable image viewing and precise control are crucial, regardless of freezing temperatures or scorching sun.

**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

L1+L5, as well as GPS, BeiDou, Glonass, Galileo, and QZSS systems with a refresh rate of 5 Hz–10 Hz. For motorcycle riders, this means near-instantaneous position updates and extreme navigation precision, even during dynamic riding in dense urban areas or deep canyons. Dual-band support makes the signal more stable and resistant to reflection errors, eliminating the risk of getting lost in challenging terrain. This is the ideal solution, allowing you to focus on the road, confident that every turn will be recorded in real time.

## Bluetooth 5.2

Bluetooth 5.2 LE ensures lightning-fast data transmission with record-low power consumption, significantly extending tablet battery life. This standard guarantees a stable connection to accessories even in environments rife with radio interference. Intelligent signal strength management ensures smooth and reliable communication. In automotive service, this allows for seamless engine diagnostics via, for example, the OBDII interface while simultaneously using a wireless headset to communicate with customers or team members.

## Wi-Fi network

The MobiPAD 7720X 4G tablet eliminates communication barriers, providing reliable network access where it's needed most. Integrated dual-band Wi-Fi (2.4/5 GHz) allows for seamless inventory verification and rapid scheduling changes in transportation and construction. The system's architecture supports field technicians by offering immediate access to digital documentation and instructions without the need to return to the office.

<b>Standards</b>	WiFi 5
<b>Frequencies</b>	Dual-band Wi-Fi (2.4/5GHz, 802.11a/b/g/n/ac)

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## APPLICATION

Motor sports

This rugged and indestructible tablet is a powerful tool, boasting a stunning 2600 nits of brightness, ensuring crystal-clear and flawless map readability even under the blinding midday sun. Its exceptionally tight and rugged IP68-certified casing

ensures absolute resistance to mud, extreme downpours, and ubiquitous dust, making it a reliable companion for any off-road expedition. A lightning-fast 256GB UFS memory combined with efficient 8GB RAM allows for smooth, instant loading of detailed topographic maps and seamless multitasking in challenging terrain. The modern, energy-efficient Bluetooth 5.2 standard offers stable, uninterrupted connectivity with helmets and precise vehicle sensors, crucial for dynamic motorcycle riding. This advanced, multifunctional, and incredibly durable device is an unrivaled alternative to traditional navigation systems, combining top-of-the-line performance with near-military resistance to extreme external factors.



## Drone Pilots

This compact, seven-inch tablet is a professional and reliable control station. Its record-breaking 2600 nits of brightness eliminates the need for uncomfortable sunshades, offering the drone pilot a crystal-clear, sharp video feed in the brightest light. A gigantic 10,000mAh battery ensures unprecedented longevity, allowing for hours of flight sessions and the ability to operate a full set of spare batteries without worrying about the controller suddenly running out of power. Its rugged IP68 design, combined with lightning-fast data transfer via WiFi and Bluetooth 5.2, guarantees stable, secure connectivity and unwavering resistance to dust and unexpected weather changes during missions in challenging terrain. A powerful 8GB RAM and 256GB of ultra-fast UFS storage enable instant 3D map display. This mobile, efficient, and incredibly durable command center transforms every flight into a comfortable and precise experience, combining premium specifications with a nearly indestructible housing.



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## Industry and Construction

This rugged, seven-inch tablet is an indestructible tool with military-grade MIL-STD-810 durability, guaranteeing complete resistance to extreme shocks, drops from heights, and vibrations from construction machinery. A powerful 10,000mAh battery provides multi-day autonomy in harsh industrial environments, eliminating the need for frequent charging on the construction site. IP68 certification protects the advanced interior from dust, cement, and water, while the fast 256GB UFS memory and 8GB RAM rapidly process extensive

technical projects. Stable BT 5.2 and WiFi connectivity enable reliable data transfer and compatibility with precise measurement equipment in all conditions. This compact, ultra-durable, and efficient device is the foundation of modern management in the most demanding industrial sectors.



## Service and diagnostics

This indestructible, seven-inch terminal is a phenomenal workshop aid, its MIL-STD-810-rated durability and sealed IP68 design allow for worry-free operation in oil, dust, and even in the event of accidental collisions with hard surfaces. A massive 10,000mAh battery ensures uninterrupted operation without a power

supply, while reliable BT 5.2 ensures instant and continuous synchronization with control modules and error code readers. Thanks to its efficient 256GB UFS memory and capacious 8GB RAM, the device instantly loads complex technical drawings and gigantic parts catalogs, significantly streamlining all repair operations. This handy, incredibly durable, and high-performance system core will survive the most demanding garage challenges.



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