



MobiPad 77X - Rugged tablets ideal for controlling drones with BT 5.0, bright 7" 2600nits screen, Android 13, 8GB+128GB, 4G, WiFi, 7000mAh

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 13
Display:	7" 1920x1080
Brightness:	2600 nits FHD
Processor:	ARM Cortex A73 Octa-core (2.0GHz)
Memory:	8GB RAM
Hard Drive:	128GB ROM
Flash Memory:	---
Touch screen:	Capacitive
Durability:	IP68
Drop:	1,2 m
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G
Temperature:	Operating temperature: -20°C ~ 55°C Storage temperature: -40°C ~ 80°C
Humidity:	5%-95% (non-condensing)
1D barcode scanner (reader):	---
2D barcode scanner (reader):	---

RFID scanner (reader):	---
Other:	Maximum operating altitude of the device: 4500m
Battery:	7000mAh
Working time on battery:	10/12h
Fast battery replacement ability:	---
HotSwap battery:	No
LAN:	USB Type-C 24 pin (Support OTG and RJ45)
WLAN:	WiFi 5
Bluetooth:	Bluetooth 5.0
WAN:	4G LTE TDD FDD
GPS:	GPS BeiDou GLONASSAGPS SBAS (EPO 2.5m)
Camera:	camera front: 5Mpxcamera rear: 13Mpx
In/Out:	USB Type-C Pogo PinNano SIM Micro SD
Optional accessories:	---
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:	ARM Mali-G72 MP3
Chipset:	---
BIOS:	-----
Casing material:	PC + ABS
Flash Card Reader:	Micro SD
CD/DVD:	-----
Audio:	Speaker MIC
Keyboard:	Onscreen

Additional Navigation Devices :	-----
Color:	Two options to choose from : Black Desert yellow
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP68MIL-STD-810G
Waterproof:	IPX8
Sand and dust:	IP6X
Size:	208 x 121 x 16mm
Fanless casing:	Yes
Weight:	456g

3 113,44 zł

net price: 2 531,25 zł

MobiPad 77X



SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

The MobiPad 77X is a state-of-the-art industrial tablet that, thanks to integrated WiFi, Bluetooth, and precise GPS, provides a reliable communications hub in the harshest terrain. Its undisputed strength is its extremely bright 2600-nit screen, which guarantees perfect readability in direct sunlight, making it an unrivaled tool for motorcyclists needing navigation and drone pilots requiring perfect

image viewing. The entire design is complemented by a powerful 7000 mAh battery, which provides impressive battery life without the need for frequent recharging during long trips.

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SPECIFICATION

MobiPad 77X

Processor	ARM Cortex A73 Octa-core (2.0GHz)
Operating system	Android 13
RAM	8GB
ROM	128GB
Communication	Bluetooth 5.0 Wi-Fi 5 GPS 4G
Display	7" 1920×1080 2600 nitów FHD
Touch screen	Capacitive
Protection	IP68
SIM card	Nano SIM
Battery	7000mAh
Connections	USB Type-C Pogo Pin Nano SIM Micro SD

MobiPad 77X

Resistance	IP68 MIL-STD-810G
Charger	5.0V 2A-10W
Guarantee	1 year



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

The device's performance is based on a powerful 2.0 GHz ARM Cortex A73 Octa-core processor, which guarantees lightning-fast performance of even the most demanding applications. This processing unit ensures smooth multitasking, which is crucial when simultaneously using navigation, connectivity modules, and real-time drone image transmission. Thanks to the modern processor architecture, the tablet maintains high operating quality and energy efficiency, directly translating into system stability in challenging terrain.

Ergonomic design

The MobiPad 77X mobile device impresses with its modern design and compact, ergonomic form that fits perfectly in the user's hand. Its well-thought-out dimensions make it convenient and comfortable to use for long hours.



Thanks to its ergonomic dimensions, the MobiPad 77X mobile device easily fits into a bag, backpack, or holder, making it the perfect travel companion. Additionally, its lightweight and slim design enhances portability, allowing quick and efficient access to all functions in any environment. The device is available in two color versions: black and desert yellow.

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Capacitive screen



Capacitive screens in industrial tablets operate by detecting changes in the electric field on the display surface when touched by a finger or a special stylus. A grid of electrodes registers the location of the touch based on the change in capacitance, allowing for highly precise and responsive control. In industrial versions, these screens are designed for use with gloves, in wet conditions, and in harsh environmental conditions.

2600 nits screen

The modern MobiPad 77X tablet features a screen with an impressive 2600 nits of brightness, ensuring clear images in all lighting conditions. This ensures display content remains legible both indoors and outdoors. This brightness reduces visibility issues in daylight and improves user comfort. This solution is particularly useful in industrial environments, where stable screen readability is crucial.



The display parameters are optimized to eliminate reflections, significantly reducing eye fatigue during long shifts. High contrast and stable backlighting ensure precise interface operation and flawless interpretation of technical diagrams, even in intense ambient lighting. This is an essential standard in environments where the readability of information directly determines work efficiency and pace.

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Connectors, buttons and dimensions

The tablet is equipped with a modern USB Type-C port, enabling fast charging and data transfer. It also features a Pogo Pin connector for connecting compatible accessories, such as a keyboard. The device also supports Nano SIM and Micro SD cards, providing access to mobile internet and the ability to expand memory.





Dimensions	208 x 121 x 16mm
Weight	456g

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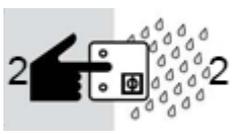
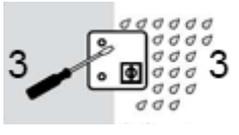
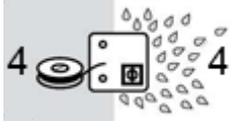
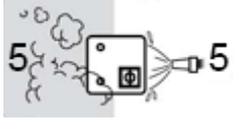
RESISTANCE

IP68 protection class



The IP68 rating for industrial tablets provides a very high level of protection against dust and prolonged immersion in water. This allows these devices to operate in harsh environments, such as construction sites, warehouses, and outdoor environments. The IP68 standard increases equipment reliability and minimizes the risk of damage caused by external factors.

Firts digit	Protection level	Second digit
No special protection	0  0	No special protection

Firts digit	Protection level	Second digit
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 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 77X industrial tablets are drop-resistant from a height of 1.2 meters, making them exceptionally durable in harsh environments. This makes them ideal for demanding use, ensuring reliability during everyday work.

Extreme temperatures

The MobiPad 77X guarantees reliable operation in extreme temperatures ranging from -20°C to 55°C, making it a reliable tool in the most demanding locations. The device is designed to safely withstand even harsher storage conditions – it can withstand temperatures up to 80°C when idle. This device is ready for any climatic challenge, from freezers to high-temperature production halls.

Operation temperature : -20°C ~ 55°C

Storage temperature : -40°C ~ 80°C



Operation Temp.

-20°C to 55°C

Storage Temp.	-40°C to 80°C
Humidity	5% to 95%

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WIRELESS COMMUNICATION

GPS Navigation

The device guarantees the highest level of location precision thanks to simultaneous support for the global GPS, BeiDou, and GLONASS systems, ensuring signal stability anywhere in the world. Instant positioning, even in challenging conditions, is possible thanks to AGPS technology, which significantly reduces the time required to start navigation. SBAS support (EPO 2.5m) allows for exceptional positioning accuracy with an error reduced to just 2.5 meters. This advanced integration of multiple standards makes the tablet a reliable tool for work in challenging terrain, where every centimeter and second counts.

Bluetooth 5.0

The MobiPad 77X tablet is equipped with Bluetooth 5.0, which offers significantly greater range and connection stability than previous versions. It's an excellent

choice for motorcyclists – this modern connectivity standard allows for reliable pairing of the tablet with a helmet intercom or additional accessories, without worrying about signal interruption while riding. This ergonomic and exceptionally responsive tablet makes using navigation or multimedia a pure pleasure. The durable yet handy design allows for comfortable use in all weather and terrain conditions, ensuring precision and safety on every trip.

Wi-Fi network

WiFi in industrial tablets is useful in warehouses for instant data transfer and checking product status. It facilitates communication on construction sites and updating routes and reports for fleet drivers. It allows service technicians to remotely view technical documentation and download repair manuals. This allows data to be synchronized in real time, increasing efficiency and reducing errors.

Standards	WiFi
Frequencies	802.11 (a/b/g/n/ac) 2.4G+5G Dual-band

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APPLICATION

Motor sports

The MobiPad 77X industrial tablet is ideal for motorcyclists, as its built-in GPS enables precise navigation even in challenging terrain. Bluetooth allows for easy connection to hands-free kits, headphones, or smartphones while riding. A powerful battery ensures long hours of operation without the need for frequent recharging, which is especially useful on long journeys. The device boasts a high IP rating, making it water and dust resistant, making it suitable for use in a variety of weather conditions. Its rugged design, combined with Bluetooth and GPS functionality, and a powerful battery, make the MobiPad 77X a reliable companion for every motorcyclist.



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Drone Pilots

The innovative MobiPad 77X is an excellent choice for drone pilots who need reliable equipment in all conditions. Thanks to its screen boasting an incredible 2600 nits of brightness, the camera image remains perfectly readable even in direct sunlight, which is crucial when flying outdoors. A built-in, high-capacity 7000 mAh battery ensures long hours of operation without the need to search for a charger. Thanks to the GPS module and IP68-rated resistance, the tablet

becomes a precise navigation tool, resistant to dust and heavy rain. This device is designed for modern drones, which increasingly use the tablet as the main viewing display and flight management center.



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Industry and Construction

The robust MobiPad 77X tablet is designed for extreme challenges, making it an indispensable tool for work in demanding industrial environments and on

construction sites. Its reinforced design is resistant to drops, shocks, and dust, ensuring trouble-free operation where standard electronics fail. A high degree of water resistance allows for comfortable work in rain and high humidity, while the sunlight-readable screen allows for precise reading of construction plans and technical diagrams in full daylight. Thanks to its long-lasting battery and advanced connectivity modules, the MobiPad 77X tablet ensures seamless data flow between the construction site and the office, optimizing management processes and project oversight.



Service and diagnostics

The MobiPad 77X tablet is the ideal solution for modern automotive repair shops,

offering lightning-fast and stable communication with diagnostic interfaces thanks to Bluetooth 5.0 technology. High-quality wireless connectivity allows mechanics to freely move around the vehicle without worrying about losing connection with the OBD tester. The integrated WiFi module enables instant access to manufacturer databases, downloading driver software updates, and quickly transmitting repair reports directly to the customer or the workshop system. Thanks to its reinforced casing, resistant to grease and accidental impacts, the tablet becomes a reliable command center in any professional workshop, significantly reducing diagnosis and service time.



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

