



MobiPad Tex81 v.4 - Industrial Tablet with IP68 and ATEX (Zone 1) with 12000mAh battery - 8

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 13Harmony 4.1
Display:	8" (1200x1920)
Brightness:	1000 NIT
Processor:	Unisoc UIS7885 Octa-Core 2.7GHz 6 nm process
Memory:	8 GB
Hard Drive:	No
Flash Memory:	256GB UFS
Touch screen:	Yes capacitive screen
Durability:	IP68
Drop:	1.5m
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G
Temperature:	Temp. Operating -20 DO 55Temp. Storage -40 DO 80

Humidity:	5%-95%
1D barcode scanner (reader):	No
2D barcode scanner (reader):	2D (E20)
RFID scanner (reader):	RFID HF - NFC
Other:	No
Battery:	12000mAh (removable battery)
Working time on battery:	10/12h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	Dual-band WIFI 802.11 (2.4GHz/5Ghz) a/b/g/n/ac
Bluetooth:	Bluetooth 5.0
WAN:	WCDMALTE5G
GPS:	Yes
Camera:	Rear: 48 MP (autofocus, flash) + 5 MP (wide-angle)Front: 8 MP
In/Out:	USB TYPE-C TYPE-A8 PIN POGOPINUSB&DP
Optional accessories:	Yes
Docking station connector:	Yes
VESA standard – holders and mounts support:	Yes
COM port:	---
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	Yes
Graphics card:	Arm MaliTM-G57@ 850 MHz
Chipset:	---
BIOS:	No
Casing material:	ABSPCTPU
Flash Card Reader:	MICRO SD

CD/DVD:	No
Audio:	built-in microphone and speaker
Keyboard:	on-screen keyboard
Additional Navigation Devices :	No
Color:	BlackGray
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP68MIL-STD-810G
Waterproof:	IPX8
Sand and dust:	IP6X
Size:	223x146x23mm
Fanless casing:	Yes
Weight:	886g

701,84 €
net price: 570,60 €

MobiPad Tex81





ATEX CERTIFICATE

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The rugged MobiPad Tex81 tablet is professional equipment designed for use in potentially explosive atmospheres, as confirmed by its ATEX certification. This durable tablet is designed for use in environments and situations where the presence of explosive gases is common, including the oil and petrochemical industries, mining, the military, and public services. The device's resistance to harsh environmental conditions is confirmed by MIL-STD-810G and IP68 standards, ensuring protection against dust, water, shock,

vibration, and extreme temperatures. The MobiPad Tex81 is equipped with a safe and efficient 12,000 mAh battery. The device's screen ensures excellent readability even in bright sunlight, and reliable operation is guaranteed even at very low temperatures.

ATEX CERTIFICATE



ATEX Certificate

An ATEX certificate is a European Union designation confirming that a given product is safe for use in explosive atmospheres – such as those found in the oil, chemical, or gas industries. The name comes from the French "Atmosphères Explosibles". The certificate specifies, among other things, the type of explosion protection, the explosive group, and the temperature class.

ATEX Zones:

The classification of ATEX zones determines the likelihood of an explosive atmosphere occurring and is crucial for selecting appropriate equipment.

Zone 1

Characteristics: An area where an explosive atmosphere (a mixture of air with flammable gases, vapours, or mists) may occur occasionally during normal operation.

Required Equipment: Devices intended for use in Zone 1 must provide a high level of protection and be designed so that even in the event of rare malfunctions, they do not become a source of ignition.

Zone 2

Characteristics: An area where an explosive atmosphere (a mixture of air with flammable gases, vapours, or mists) does not occur during normal operation, or if it does, it is only for a short period and infrequently.

Required Equipment: Devices intended for use in Zone 2 must provide a normal level of protection and be designed so that they do not become a source of ignition under normal operating conditions. Protection against ignition is only required during normal operation.

The MobiPad Tex81 tablet, certified for Zone 1, is the ideal solution for work in environments with a risk of explosive atmospheres. Built with the highest level of safety in mind, it effectively minimizes the risk of becoming a source of ignition even during a malfunction.

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SPECIFICATION

MobiPad Tex81 v.4	
ATEX	certification
STREFA ATEX	1
Processor	Unisoc UIS7885
Graphics	ARM Mali TM-G57 850MHz

MobiPad Tex81 v.4	
Operating system	Android 13 Harmony 4.1
Memory	8GB RAM + 256GB UFS
Display	8" (1200x1920)
Touch screen	Capacitive
Battery	12000mAh
Camera	Dual rear camera (main 48 MP with autofocus and flash, secondary 5 MP wide-angle) and 8 MP front camera
Protection	MIL-STD-810G Upadek do 1.5m IP68
Communication	3G/4G/5G Bluetooth Wi-Fi GPS NFC 2D
Connectors	USB Typ A i C 8 Pin Pogo Pin
Memory card	Micro SD
SIM card	Dual-nano SIM



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

The powerful and energy-efficient MediaTek Kompanio Unisoc UIS7885 Octa-Core processor (2.7 GHz) used in the dust-resistant MobiPad Tex81 tablet ensures smooth and responsive performance. With eight cores working together, the device can efficiently process multiple tasks simultaneously.

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Ergonomic design

The MobiPad Tex81 tablet is the perfect blend of durability and ergonomic

design. The device is robust yet easy to handle thanks to its slim, 23mm-thick casing. A carefully designed, non-slip surface ensures a secure grip, while rubber corners further protect the tablet from damage caused by drops. This makes the MobiPad Tex81 ideal for both demanding industrial environments and everyday use.

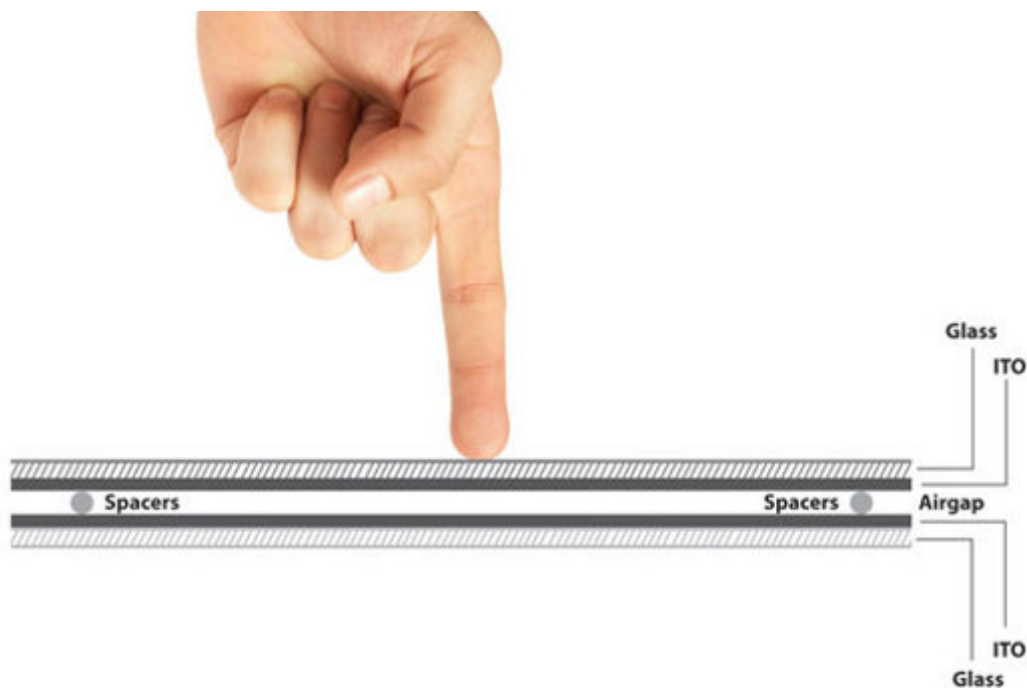
Dimensions	223mm x 146mm x 23mm
Net weight	886g





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Capacitive screen



With a capacitive screen, the device's response depends on changes in the electrostatic field, not pressure. This makes operation much more precise and possible even with a light touch. Furthermore, this technology supports multitouch, allowing you to control a tablet or collector with multiple fingers simultaneously.

1000-nits screen



Nit is a unit of measurement for screen brightness—the higher the value, the brighter the display. The MobiPad Tex81 tablet boasts a screen with an maximum brightness of 1000 nits. This ensures hassle-free use of this dust- and water-resistant device, even in direct sunlight.

DATA COLLECTING

NFC



NFC in industrial tablets is a short-range wireless communication technology that enables rapid data exchange between a tablet and another device (e.g., a payment terminal) by simply bringing them close together. Key applications and benefits of NFC in industry include rapid identification, allowing for easy reading of data from RFID tags placed on products or machines. It is also used for access control, authorizing access to equipment or specific rooms. It also simplifies the process of collecting data directly in the field. This technology ensures relatively secure data transfer over short distances and, thanks to its ease of use, significantly increases task efficiency. It is an ideal solution for demanding industrial environments where speed and reliability are key.

NFC	ISO 14443A/B ISO15693
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Barcode scanner



The barcode scanner reads and transmits data quickly and efficiently. Thanks to its dynamic performance and wide reading range, the device precisely captures information, significantly increasing work speed and efficiency. Furthermore, its advanced 2D scanning engine (E20) effortlessly reads even damaged and blurred codes, including QR codes.

2D	E20
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RESISTANCE



IP65 | MIL-STD -810G Protection



MIL-STD-810G is a US military standard that specifies a device's overall durability under a wide range of harsh conditions, such as shock, extreme temperatures, and vibration. It indicates the comprehensive resistance of the device to harsh operating environments.

IP68 is an international standard that precisely defines the level of protection a device provides against dust and water ingress. The number '8' indicates that the device is completely resistant to continuous immersion in water (under conditions specified by the manufacturer, e.g., at a depth of more than 1 meter). This is one of the highest levels of water resistance.

First digit [x] - Protection against solid objects	Degree of protection	Second digit [y] - Protection against liquids
No protection	0  0	No protection
Protection against objects >50mm (e.g. hands)	1  1	Vertically dripping protection should not cause any undesirable effects
Protection against objects >12mm (e.g. fingers)	2  2	Water dripping at an angle of 15 degrees from the vertical should not cause any undesirable effects.
Protection against objects >2.5mm (e.g. tools/wires)	3  3	Water falling at any angle up to 60 degrees from vertical should not cause any undesirable effects.
Protection against objects >1mm (e.g. small tools)	4  4	Water splashes, regardless of direction, should not cause any undesirable effects.
Protection against dust, limits the penetration	5  5	Strumień wodny z dyszy bezpośrednio lub pośrednio skierowany na obiekt nie powinien wywoływać żadnych niepożądanych efektów
Complete protection against dust	6  6	Protection against waves or powerful jets of water
	 7	Water cannot penetrate the device if it is immersed in water under the specified time and pressure conditions (up to 1m)
	 8	Protection against the effects of continuous immersion in water (housing continuously immersed in water, under conditions agreed between the manufacturer and the user)

1.5 m drop resistance

The specially designed construction of the resistant MobiPad Tex81 tablet

guarantees the device's resistance to accidental falls from a height of up to 1.5 meters in working mode, even onto hard surfaces.

Extreme temperatures

The high-performance MobiPad Tex81 tablet is designed for extreme temperature conditions. It can operate continuously between -20°C and 55°C, and when stored between -40°C and 80°C. It's also available for high-humidity environments, handling relative humidity up to 95%.

Working Temp.	-20°C to 55°C
Storage Temp.	-40°C do 80°C
Humidity	5% do 95%

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WIRELESS COMMUNICATION

GPS Navigation

The MobiPad Tex81 industrial tablet is designed for field work. It's equipped with a professional GPS module that supports GALILEO, BEIDOU, AGPS, and SBAS, combining high accuracy with low power consumption. This ensures fast and smooth navigation, allowing you to reach any destination with ease.

Bluetooth 5.0

Bluetooth enables short-range wireless communication between electronic devices such as keyboards, computers, laptops, and phones. Version 5.0 of this standard significantly reduces power consumption and increases the effective operating range at the expense of lower data transfer rates.

Wi-Fi network

Dual-band Wi-Fi provides fast internet access wherever a secured or open Wi-Fi connection is available. This is a convenient solution for users with a router and a Wi-Fi network at work or home, allowing for free connection use.

Standards	802.11
Frequencies	2.4GHz/5GHz (Dual-Band)

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APPLICATION

Trade and Services

The compact and lightweight MobiPad Tex81 tablet is the perfect support for sales representatives. It runs on Android, allowing for efficient management of customer and product databases. Modern applications make searching for information (e.g., by name or Tax Identification Number) quick and intuitive. Additionally, built-in GSM and Wi-Fi modules enable the rapid sending of orders and invoices to headquarters, significantly streamlining daily work.



Industry and Construction

The ATEX-certified MobiPad Tex81 tablet is designed for use in explosive environments where flammable substances are present. It boasts exceptional durability in harsh conditions. The tablet's casing is completely dust- and waterproof, as confirmed by IP68 certification and the MIL-STD-810G military standard. This makes the device ideal for even the harshest conditions, such as construction sites or industrial infrastructure. Furthermore, thanks to specialized applications, this tablet becomes a key tool for monitoring and controlling production processes, as well as for collecting and analyzing real-time data, enabling work optimization and rapid decision-making.



Warehouse

The MobiPad Tex81 tablet is the perfect tool for streamlining warehouse operations. It allows for the quick and precise execution of key tasks such as inventory, inventory control, and goods receipt and issue. Built-in Wi-Fi and Bluetooth modules ensure constant access to data and facilitate communication with other devices, which is invaluable in everyday work.



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ACCESSORIES AND AVAILABLE VERSIONS

The Tex81 Atex tablet for specialized applications is a rugged device, ideal for use in harsh environments. Available in several configurations to suit your needs. Click on the number to see the details and specifications in the table. If you require a custom version, please contact us and we will create one specifically for you.



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

	v.1	v.2	v.3	v.4
4G				
5G	—	—		
6+64G		—	—	—
8+128G	—		—	—
8+256G	—	—		
400 NIT		—	—	—
1000 NIT	—			
USB 3.2 Gen 2 Type-C	—	—	—	
USB & DP	—	—	—	