MobiPad Tex17 v.2 - IP67 and ATEX Zone 1 Tablet with HF RFID Reader 7

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 9/10/11/13
Display:	7" (1080x1920) IPS
Brightness:	2200 NIT
Processor:	ARM Cortex A73Octa-core 2.0GHz
Memory:	8 GB
Hard Drive:	No
Flash Memory:	128GB
Touch screen:	Yes capacitive screen
Durability:	IP67
Drop:	1.67m
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):	No
RFID scanner (reader):	RFID HF 13,56MHz
Other:	No
Battery:	10000mAh
Working time on battery:	10/11 hours using 50% screen brightness and 50% of the time on WiFi
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:	GSMEDGEGPRS
GPS:	Yes
Camera:	Front 5Rear 13 MP Flash
In/Out:	AUDIO JACKUSB TYP C
Optional accessories:	Yes
Docking station connector:	No
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	Yes
Graphics card:	ARM Mali -G72 MP3
Chipset:	---
BIOS:	No
Casing material:	ABSPC
Flash Card Reader:	MICRO SD
CD/DVD:	No
Audio:	built-in microphone and speaker

Keyboard:	on-screen keyboard
Additional Navigation Devices :	No
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP67MIL-STD-810G
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	202x131x21mm
Fanless casing:	Yes
Weight:	700g

2 523,04 zł
net price: 2 051,25 zł

MobiPad Tex07

ATEX CERTIFICATE

SPECIFICATION

RESISTANCE

The ATEX-certified MobiPad Tex17 industrial tablet is ideal for personnel working in environments with explosive gases. It's ideal for industries such as oil, petrochemical, and mining, as well as military and public safety. Compliant with MIL-STD-810G and IP67 standards, this rugged tablet offers exceptional durability, effectively protecting the device from dust, water, shock, vibration, extreme temperatures, and other factors that can quickly damage equipment. It can withstand drops from up to 1.67 m (5.5 ft) and a 2-ton impact pressure test. The military-grade MobiPad Tex17 also allows for easy reading of RFID tags across various frequency bands. It features a high-capacity 10,000 mAh battery, a sunlight-readable screen, and reliable operation in extremely 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 rugged MobiPad Tex17 tablet holds a **Zone 1** certificate, which gives it the ability to operate safely in areas where an explosive atmosphere (a mixture of air with flammable gases, vapours, or mists) may occur occasionally during normal operation. This means the tablet provides a high level of protection and is designed so that even in the event of rare malfunctions, it does not become a source of ignition.

SPECIFICATION

MobiPad Tex17 v.2	
ATEX	certification
STREFA ATEX	1
Processor	ARM Cortex 73 Octa-core (2.0GHz)
Graphics	ARM Mali -G72 MP3
Operating system	Android 9/10/11/13 *(optional at time of order)
RAM	8GB RAM + 128GB ROM
Display	7" 1080x1920 IPS
Touch screen	Capacitive
Battery	10000mAh
Camera	5Mpx Front| 13Mpx Rear+ Flash
Protection	MIL-STD-810G	drops do 1.5m	IP67
Communication	3G/4G	Bluetooth	NFC	Wi-Fi	GPS	RFID
Connectors	USB Typ C	Audio Jack
Memory card	Micro SD (max 1TB)
SIM card	Micro SIM

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

The dust-resistant MobiPad Tex17 is powered by a powerful and energy-

efficient ARM Cortex processor (2.0 GHz). Its eight cores work together to more efficiently process multiple tasks simultaneously. The device also utilizes a multi-level shared cache hierarchy, which is dynamically allocated to each processor core based on load. This reduces the average access time to main memory, resulting in improved performance.

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Ergonomic design

The MobiPad Tex17 mining tablet is designed with durability and comfort in mind. Its slim yet robust casing, just 21 mm thick, and stylish design make this rugged tablet ideal for both industrial and outdoor environments. The optimal size has been carefully considered to make the device more portable and ergonomic. The non-slip surface of the casing ensures a firm and secure grip, while rubber corners further protect this industrial tablet from damage caused by drops.

Dimensions	202mm x 131mm x 21mm
Net weight	700 g

202mm

131mm

21mm

Light Sensor

Sub Camera

Headphone Jack
(Sealed Cover)

MIC

SOS Button

Camera Button

Main Camera

Flash Lamp

Nameplate

Speaker

Power Button

Reset Button

Volume Up

Volume Down

SIM-Card (Sealed Cover)

TF-Card (Sealed Cover)

Type-C
(Sealed Cover)

Capacitive screen

With the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched. This allows for much more precise handling and gentle brushes on the screen. In addition, we can use multitouch technology, the ability to control our tablet or the collector with a few fingers at once.

2200-nits screen

Nit is a unit of measurement used to describe the brightness of electronic device screens – the higher the nit count, the brighter the display. The MobiPad Tex17 offers a screen with an impressive maximum brightness of 2200 nits as standard. This value allows for trouble-free use of this dust- and water-resistant tablet, even in direct sunlight.

DATA COLLECTING

NFC

NFC in industrial tablets is a short-range wireless communication technology that enables the rapid exchange of data between a tablet and another device (e.g., a payment terminal) by 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. In the MobiPad Tex17 industrial tablet, the NFC module is conveniently located on the back of the device.

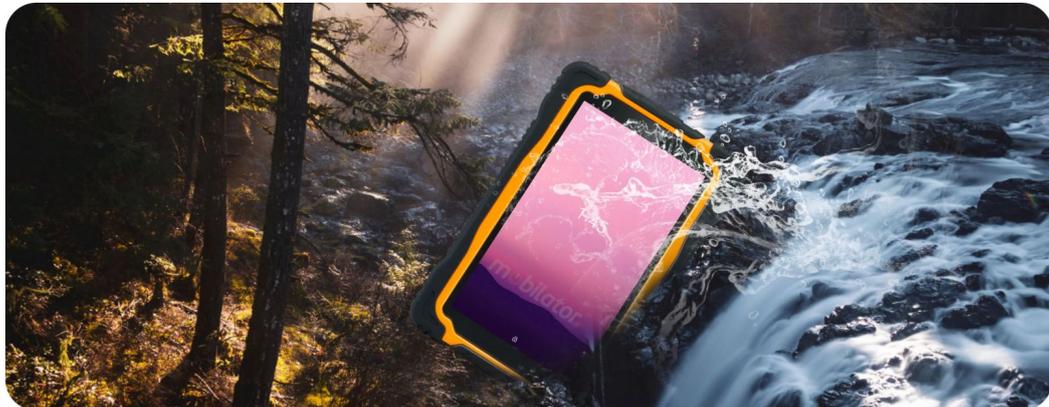| NFC	ISO 14443A/B ISO15693

RFID reader

RFID is a technology used to identify objects and control the flow of products. Reading information from special tags that are attached to objects (but not only, because RFID is also used to mark animals and even people) is done by radio. Depending on the type of tag, the amount of information that it can store changes as well as the maximum distance from which the data can be read. RFID tags are an alternative to barcodes - more convenient and more efficient.

RESISTANCE

IP67 | MIL-STD -810G Protection

MIL-STD-810G is a U.S. military standard that defines a device's overall durability across a wide spectrum of harsh conditions, such as shocks, extreme temperatures, and vibrations. It indicates a comprehensive resistance of the equipment to demanding work environments.

IP67 is an international standard that precisely specifies the level of a device's

protection against the ingress of dust (total dustproofness) and water (resistance to submersion up to 1 meter for 30 minutes). It focuses exclusively on the enclosure's sealing

IP6X	The IP6X standard signifies complete dustproofness and full protection against access to hazardous parts (tools, wires, fingers), which ensures the device's safety and reliability in contaminated environments
IPX7	IPX7 signifies protection against the effects of temporary water immersion: the device can withstand submersion up to 1 meter deep for 30 minutes, with consideration for the specific measurement criteria for enclosures less than 0.85 m in height

1.67 m drop resistance

The specially designed construction of the military tablet guarantees the device's resistance to accidental drops from a height of up to 1.67 meters during operation, even onto hard surfaces.

Extreme temperatures

The MobiPad Tex17 oilfield tablet is designed for continuous operation across a wide temperature range, from -20°C to 55°C. When stored switched off, it can handle temperatures ranging from -40°C to 80°C. This extremely durable industrial tablet will perform excellently in high-humidity environments, ensuring proper functioning even at 95% relative air humidity.

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

WIRELESS COMMUNICATION

GPS Navigation

The field-ready MobiPad Tex17 work tablet is equipped with a professional GPS module with support for GLONASS, BEIDOU, AGPS, and SBAS, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily reach any destination.

Bluetooth 5.0

Bluetooth enables short-range wireless communication between various electronic devices, such as keyboards, computers, laptops, palmtops, mobile phones, and many others. In the fifth version of this standard, power consumption was significantly reduced at the cost of lower transfer rates, and the effective operating range was increased.

Wi-Fi network

The dual-band Wi-Fi module provides fast network access wherever a connection to secured or open Wi-Fi networks is available. This is a

convenient solution for users who have a router and a wireless network at their workplace or residence, allowing for free use of the connection.

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

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APPLICATION

Trade and Services

Thanks to its dimensions and low weight, the handy MobiPad Tex17 is a useful tool for sales representatives. Modern applications, running on the Android system, allow for entering a database of contractors into the memory of the logistics tablet, enabling quick searches by name or NIP number. Similarly, a product database can be managed, which can work in parallel with the contractor database. An additional application in sales is, for example, sending orders or invoices directly to the company via GSM or Wi-Fi network.

Industry and Construction

Industrial tablets are primarily characterized by high resistance to adverse working conditions. Their dustproof and waterproof casing, confirmed by IP67 certification (dust and water resistance standard) and the military standard MIL-STD-810G, allows for seamless operation even in the toughest conditions found in industrial infrastructure or on a construction site. With the help of appropriate applications, specialized tablets can be used for controlling and managing various industrial processes, as well as for data collection and analysis.

Warehouse

The MobiPad Tex17 wholesale tablet is the ideal solution for quick inventory counting. Additionally, depending on the software used, it streamlines the warehouse entry and exit process, enables price control, assists in collecting and organizing orders, as well as customer identification and warehouse management. The undoubted benefits of using industrial tablets include time savings and customer satisfaction resulting from accurate pricing and speed of service.

ACCESSORIES AND AVAILABLE VERSIONS

We also offer a range of additional accessories for this durable tablet to further enhance its functionality and comfort. Below is a list of available accessories. Clicking the "Check" link will take you to a page with a description and price of the accessory.

MobiPad Tex17 Desktop charging hose bracket (long flexible arm) with power cord

The long, flexible stand allows you to conveniently adjust the tablet's tilt angle to suit the user's needs.

Check

MobiPad Tex17 - Vehicle charging hose bracket (long flexible arm) with power cable (reduced voltage version)

Use your industrial tablet   conveniently while driving.

Check

MobiPad Tex17 Desktop charging bracket (short arm) with power cord

Strong, adjustable (tilt) leg. Wide, stable metal base. Power cord built into the handle.

Check

The MobiPad Tex17 tablet, ATEX certified for use in harsh environments, is available in several versions tailored to different needs. Clicking on the hardware configuration number will redirect you to the product with the parameters listed in the table below. Furthermore, upon request, we can create a configuration not currently available.

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

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v.1   v.2   v.3   v.4   v.5   v.6

RFID HF	—	+	—	—	—	—
RFID LF (125kHz)	—	—	+	—	—	—
RFID LF (134.2 kHz)	—	—	—	+	—	—
RFID UHF (865MHz-868MHz)	—	—	—	—	+	—
RS232 Module	—	—	—	—	—	+