MobiPad Tex07 v.5 - Rugged industrial tablet ATEX (Zone 1) – UHF RFID reader, 7 inches, Android, 4G/WiFi/GPS, 8GB RAM, 128GB ROM, 10000mAh - high-capacity battery

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 11/13
Display:	7" (720x1280) IPS
Brightness:	1000 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 UHF 865MHz-868MHzISO 18000-6C**
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:	No
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:	200x132x21mm
Fanless casing:	Yes
Weight:	640g

2 648,68 zł
net price: 2 153,40 zł

MobiPad Tex07

ATEX CERTIFICATE

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

Industrial tablet MobiPad Tex07 with ATEX certification is ideal for personnel working in environments at risk of explosive gas presence, such as the oil, petrochemical, mining, military, and public safety sectors. Compliant with MIL-STD-810G and IP67 standards, the armored tablet is robust and effectively protects the equipment from dust, water, shocks, vibrations, temperature, and other factors that can quickly damage the device. It withstands drops from a height of up to 1.67 m (5.5 feet) and an impact pressure test of 2 tons.

The military MobiPad Tex07 also enables easy reading of RFID tags in various frequency bands. It is equipped with a safe, high-capacity 10000 mAh battery, a sunlight-readable screen, and operates in 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 rugged MobiPad Tex07 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.

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SPECIFICATION

MobiPad Tex07 v.5	
ATEX	certification
STREFA ATEX	1
Processor	ARM Cortex A73 Octa-core (2.0GHz)
Graphics	ARM Mali -G72 MP3
Operating system	Android 11/13 *(optional at time of order)
RAM	8GB RAM + 128GB ROM
Display	7" 720x1280 IPS
Touch screen	Capacitive
Battery	10000mAh
Camera	5Mpx Front| 13Mpx Rear+ Flash
Protection	MIL-810G| drops do 1.5m | IP67
Communication	3G/4G | Bluetooth | RFID| Wi-Fi | GPS
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 dustproof MobiPad Tex07 features an efficient and energy-saving ARM Cortex (2.0GHz) processor. Inside, there are eight collaborating cores, enabling more efficient processing of multiple tasks simultaneously. A multi-level hierarchy of shared cache memory is also used, which is dynamically allocated for each processor core depending on the load. This leads to a reduction in the average access time to main memory.

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Ergonomic design

The MobiPad Tex07 mining tablet was created with durability and user convenience in mind. Its slim yet robust casing, just 21 mm thick, and stylish design make this rugged tablet perfect for industrial conditions and beyond. The carefully considered size ensures the device is more handy and ergonomic. The anti-slip surface of the casing provides a secure and firm grip, while rubber corners further protect the industrially designed tablet from potential damage due to drops.

Dimensions	200mm x 132mm x 21mm
Net weight	640 g

200mm

132mm

21mm

1:45

Front Camera

Light Sensor

MIC

Headphone Jack
(Sealed Cover)

Flash Lamp
Rear Camera
Nameplate
Speaker
Power Button
Reset Button
Volume Up
Volume Down
SIM (Sealed Cover)
TF (Sealed Cover)
Type-C

Capacitive screen

Glass
ITO
Spacers
Spacers
Airgap
ITO
Glass

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.

1000-nits screen

A

nit is a unit of measurement that describes the brightness of screens on all types of electronic devices. The higher the number of nits, the brighter the display. As a standard, a screen with a maximum brightness of 1000 nits is available
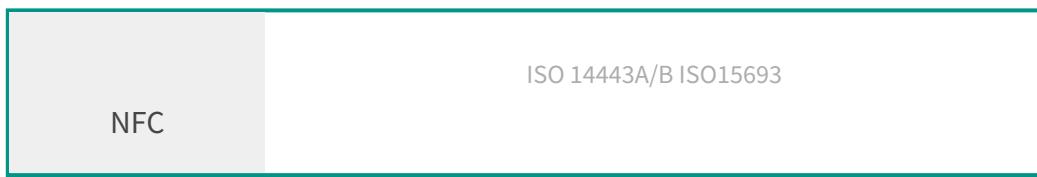
DATA COLLECTING

NFC

NFC in industrial tablets is a short-range wireless communication technology that enables rapid data exchange between the tablet and another device (e.g., an RFID tag) by bringing them close to each other.

Key applications and advantages include fast identification, such as reading data from RFID tags on products or machinery; access control for authorizing

access to equipment or premises; simplified data collection in the field; relatively secure data transmission over short distances; and increased efficiency, leading to faster task execution due to ease of use. This is an ideal solution for demanding industrial environments where speed and reliability are paramount.

In the MobiPad Tex07 industrial tablet, NFC is located on the back of the device.

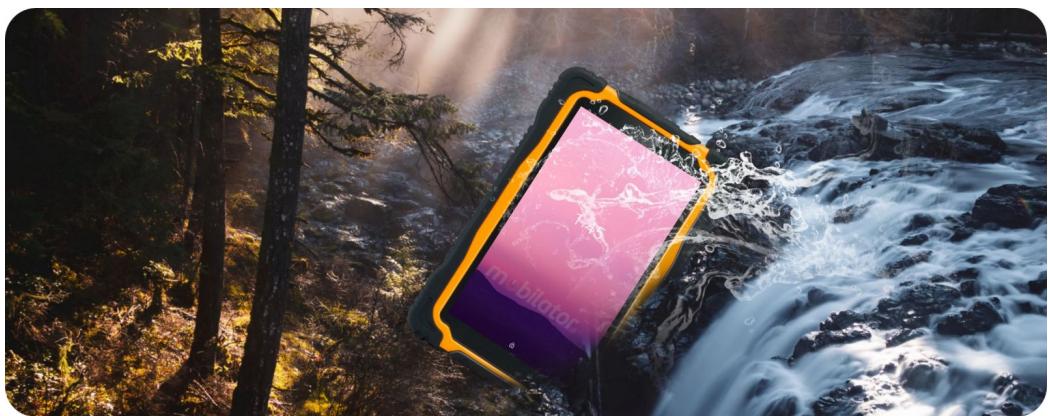|	
NFC	ISO 14443A/B ISO15693

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.

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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
IPX7	IPX7 signifies protection against the effects of temporary water immersion: the device can

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 Tex07 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 Tex07 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 works quickly and smoothly, allowing you to easily reach any designated 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)

APPLICATION

Trade and Services

Thanks to its dimensions and low weight, the handy MobiPad Tex07 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 Tex07 wholesaler tablet is an ideal solution for quick inventory. Additionally, depending on the software used, it streamlines the process of entering and issuing goods into the warehouse, enables price control, helps in collecting and organizing orders, as well as identifying customers and handling the warehouse. The undoubted advantage of using industrial tablets is saving time and customer satisfaction resulting from correct prices and speed of service.

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ACCESSORIES AND AVAILABLE VERSIONS

The MobiPad Tex07 tablet with ATEX certification, designed for use in harsh conditions, is offered in several versions tailored to different needs. By clicking on the hardware configuration number, you will be redirected to the product with the parameters listed in the table below. Furthermore, upon customer request, it is possible to create a configuration not currently available in the offer.

> (i) More photos in full resolution available in the "Gallery".

up…

	v.1	v.2	v.3	v.4	v.5
RFID HF	—		—	—	—
RFID LF (125kHz)	—	—		—	—
RFID LF (134.2kHz)	—	—	—		—
RFID UHF (865MHz-868MHz)	—	—	—	—	
	—	—	—	—	—

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