



MobiPad Tex105W v.5 - ATEX (Zone 1)
Rugged Industrial Tablet, 10.1 inch,
UBUNTU, Intel N5105, 16GB/128GB, 4G,
Bright 600 nits IPS FHD1920x1200 Screen,
Durable 5000mAh Battery

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	UBUNTU (Linux)
Display:	10,1" (1920x1200) IPS
Brightness:	600 NIT
Processor:	Intel Jasper LakeN5105
Memory:	16 GB
Hard Drive:	No
Flash Memory:	128GB
Touch screen:	Yes capacitive screen
Durability:	IP68
Drop:	---
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):	Optional
RFID scanner (reader):	No

Other:	No
Battery:	5000mAh
Working time on battery:	10/12h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	Dual-band WIFI 6 802.11 (2.4GHz/5Ghz) b/g/n/ac/ax
Bluetooth:	Bluetooth 5.1
WAN:	GSMWCDMAEDGE
GPS:	Yes
Camera:	Front 2Rear 5 MP
In/Out:	USB TYP CHDMIearphone
Optional accessories:	---
Docking station connector:	---
VESA standard – holders and mounts support:	---
COM port:	---
Magnetic card reader (MSR):	No
Microchip card reader:	Nie
Contrast:	Yes
Graphics card:	Intel HD Graphics
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:	BlackBlue
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP68MIL-STD-810G
Waterproof:	IPX8
Sand and dust:	IP6X
Size:	262x176x18mm
Fanless casing:	---
Weight:	920g

3 339,45 zł

net price: 2 715,00 zł

MobiPad Tex105W





ATEX CERTIFICATE

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The MobiPad Tex105W, an ATEX-certified industrial tablet, is a safe and reliable option for those working in areas exposed to gas explosions. It's ideal for sectors such as the oil, petrochemical, and mining industries, as well as the military and public safety services. It meets rigorous MIL-STD-810G and IP68 standards, guaranteeing high resistance to dust, water, shock, vibration, extreme temperatures, and other harmful factors. The rugged MobiPad Tex105W tablet features a long-lasting 5000mAh battery, a screen that

ensures excellent readability even in direct sunlight, and reliable performance in extremely low temperatures. This robust and functional device is designed for demanding work environments.

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.

With Zone 1 certification, the MobiPad Tex105W tablet is suitable for use in environments where the risk of an explosive atmosphere is possible. This means the device provides a high level of safety, and its design minimizes the risk of becoming a source of ignition even in the event of a malfunction.


[up...](#)

[menu...](#)

SPECIFICATION

MobiPad Tex105W v.5	
ATEX	certification
STREFA ATEX	1
Processor	Intel Jasper Lake N5105
Graphics	Intel HD Graphics
Operating system	UBUNTU
RAM	16GB RAM + 128GB ROM
Display	10,1" 1200x1920 IPS
Touch screen	Capacitive

MobiPad Tex105W v.5	
Battery	5000mAh
Camera	2Mpx Przód 5Mpx Tył
Protection	MIL-STD-810G IP68
Communication	4G Bluetooth Wi-Fi GPS
Connectors	USB TYP-C HDMI
Memory card	Micro SD
SIM card	NANO SIM

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

The airtight MobiPad Tex105W features a powerful and energy-efficient Intel Jasper Lake N5105 processor. Inside, it houses four cores working together, enabling more efficient processing of multiple tasks simultaneously.

[up...](#)

[menu...](#)

Ergonomic design

The MobiPad Tex105W tablet combines robustness with ergonomic design. With a slim, 18mm-thick casing, it's not only durable but also compact. The carefully designed casing ensures a secure grip. The tablet performs equally well in demanding industrial environments and everyday use.

Dimensions	262mm x 176mm x 18mm
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Net weight

920 g



up...

menu...

Capacitive screen



Capacitive touchscreens respond to touch by sensing changes in the electrostatic field rather than direct pressure. This makes them highly precise and allows for smoother operation—a gentle touch is all it takes. Furthermore, multitouch technology allows for simultaneous control of the device using multiple fingers.

600-nits screen



Nit is a unit of measurement used to describe the brightness of electronic device screens – the higher the number of nits, the brighter the display. The MobiPad Tex105W offers a maximum screen brightness of 600 nits as standard. This value allows for efficient use of this dust- and water-resistant tablet, even in direct sunlight.

DATA COLLECTING

Barcode scanner



The barcode reader allows you to read, decode, and transmit data stored in a barcode. Thanks to its dynamic scanning capabilities and wide reading range, the tablet accurately captures data, helping to increase workflow speed and efficiency. The entire system can be quickly deployed, as the simplified installation procedure and intuitive, user-friendly design make setting up the scanner very easy.

***Optional equipment, available only in specific device versions or upon request.**

2D	E20
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[up...](#)

[menu...](#)

RESISTANCE



IP68 | 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 a device's level of protection against dust (complete dustproofness) and water (resistance to continuous immersion in water under specific pressure and depth

conditions). It focuses solely on the tightness of the housing.

IP6X	The IP6X standard means complete dust tightness and full protection against access to hazardous parts (tools, wires, fingers), which ensures the safety and reliability of the device in a polluted environment
IPX8	An IPX8-rated device is designed to withstand continuous immersion in water. It provides complete protection against liquid ingress, allowing for safe underwater operation within manufacturer-specified conditions, such as maximum depth and duration of immersion. This is the highest level of water protection in the IPX standard.

Operating Altitude

The MobiPad Tex105W industrial tablet is capable of operating at altitudes up to 15,000 feet (4,500 meters), making it a reliable tool for professionals operating in diverse pressure environments, from land-based operations in mountainous terrain to aerospace applications.

Extreme temperatures

The professional MobiPad Tex105W tablet is designed for extreme temperature conditions. It can operate continuously between -20°C and 55°C, and in storage mode, it can withstand temperatures from -40°C to 80°C. The device is also suitable 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%

[up...](#)

[menu...](#)

WIRELESS COMMUNICATION

GPS Navigation

The MobiPad Tex105W industrial tablet, designed for use in harsh environments, features an advanced GPS module. This ensures exceptionally precise navigation, making route planning and reaching your destination quick and hassle-free.

Bluetooth 5.1

The Bluetooth 5.1 standard enables wireless communication over short distances, connecting various devices such as keyboards, computers, and smartphones. This version offers significantly lower power consumption and a greater operating range than previous standards. However, it's worth noting that this comes at the cost 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)

[up...](#)

[menu...](#)

APPLICATION

Trade and Services

The MobiPad Tex105W tablet, thanks to its compact design and low weight, is an ideal tool for sales representatives. Modern UBUNTU-based applications enable efficient management of customer and product databases, facilitating quick searches (e.g., by name or Tax Identification Number). An additional benefit is the ability to instantly send orders or invoices to the company using GSM or Wi-Fi networks.



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Industry and Construction

Industrial tablets are distinguished by their durability in harsh operating conditions. Their casings are dust- and waterproof, as confirmed by IP68 certifications (dust and water resistance) and the MIL-STD-810G military standard. This makes them suitable for the harshest environments, such as construction sites or industrial infrastructure. Additionally, thanks to specialized applications, industrial tablets enable the monitoring and control of production processes, as well as the collection and analysis of data.



Warehouse

The MobiPad Tex105W 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.



up...

menu...

ACCESSORIES AND AVAILABLE VERSIONS

The ATEX-certified MobiPad Tex105W tablet 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	v.5	v.6
2D (E20)	—	+	—	+	—	+
Windows	+	+	+	+	—	—
UBUNTU	—	—	—	—	+	+
8GB RAM	—	—	+	+	+	+
16GB RAM	+	+	—	—	—	—