



MobiPad T1300-A8 v.3 - Shock and vibration resistant IP65 tablet with UHF RFID reader and 5G module for industrial applications

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Windows 11 Pro
Display:	13.3"
Brightness:	500 nits
Processor:	MT6877 (8xmax.2.4GHz)
Memory:	8GB RAM
Hard Drive:	256GB SSD (M.2 2242 SATA)
Flash Memory:	No
Touch screen:	Capacitive 10 point touch
Durability:	IP65
Drop:	1.22m
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G
Temperature:	Operating temperature: -20°C ~ 55°CStorage temperature: -40°C ~ 60°C

Humidity:	0% -- 95%
1D barcode scanner (reader):	No
2D barcode scanner (reader):	Honeywell N4680 (optional)
RFID scanner (reader):	NFC 13,56MHz (on the back of the tablet) UHF (860-960MHz) do 5m
Other:	No
Battery:	3.8V, 16000 mAh
Working time on battery:	6 hours (playing video, 60% brightness, 50% loudness)
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	RJ45 x1
WLAN:	802.11a/b/g/n/ac/ax - 2.4G, 5G - WIFI 6
Bluetooth:	Bluetooth 5.2
WAN:	4G Fre FDD_LTE: B1/B2/B3/B4/B5/B7/B8/B28 TDD_LTE: B40 WCDMA: B1/B2/B4/B5/B8 GSM/EDGE: B2/B3/B5/B8
GPS:	Yes
Camera:	Front: 8MpxRear: 16Mpx
In/Out:	HDMI Type A x1 USB 3.2 x2 Type-C x1 RJ45 SIM TF Customized ports (optional) Pogo Pin Jack 3.5 mm
Optional accessories:	shoulder strap wrist strap suitcase strap magnetic keyboard standard adapter standard battery
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	optional
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	No
Graphics card:	ARM Mali-G68 MC4 ST13A8
Chipset:	MediaTek Dimensity 900
BIOS:	No

Casing material:	ABS
Flash Card Reader:	TF card (max. 128GB)
CD/DVD:	No
Audio:	Built-in microphone and speaker
Keyboard:	Onscreen
Additional Navigation Devices :	No
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP65, MIL-STD-810G
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	337.7mm x 209.2mm x 24mm
Fanless casing:	Yes
Weight:	1500g

3 834,06 zł
net price: 3 117,12 zł

MobiPad T1300-A8

The world's largest industrial tablet



SPECIFICATION

DATA COLLECTING

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

MobiPad T1300-A8 - One of the world's largest industrial tablets - is a modern, waterproof device designed to work in extrem condistions/enviroments. Its specially reinforced structure has been designed to meet the requirements of the IP65 standard, which guarantees full protection against water also dust and confirms the tablet's high resistance to difficult conditions.

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SPECIFICATION

MobiPad T1300-A8	
Processor	MT6877 [8 cores (2x Cortex-A78, 6x Cortex-A55), 8 threads, 2.0 GHz/turbo 2.4 GHz]
Operating system	Windows 11 PRO
RAM	8GB
SSD	256GB (M.2 2242 SATA)
Display	13.3", 1080x1920, IPS, 16:10, 500 nits
Touch	Capacitive (10-point)



MobiPad T1300-A8

Battery	3,8 Vdc/16000 mAh
Camera	5Mpx Front 8Mpx Rear
Protection	IP65 MIL-STD 810
Communication	5G LTE Bluetooth Wi-Fi GPS NFC
Connectors	HDMI Type A Jack USB 3.2 RJ45 Customized ports *(optional) USB Type C (support fast charging) Pogo Pin
memory card	TF (max. 128GB)
SIM card	SIM
Sensors	Gravity sensor Light sensor Acceleration sensor
Film AR	No
Barecode scanner 2D	Honeywell N4680 *(optional)

*** Optional equipment, available only on specific version or on request.**

 Detailed device specification is available in the "Technical data"

The MT6877 processor, which is both high performance and energy-efficient, is installed in a dustproof industrial tablet. Ten proccessor cores working

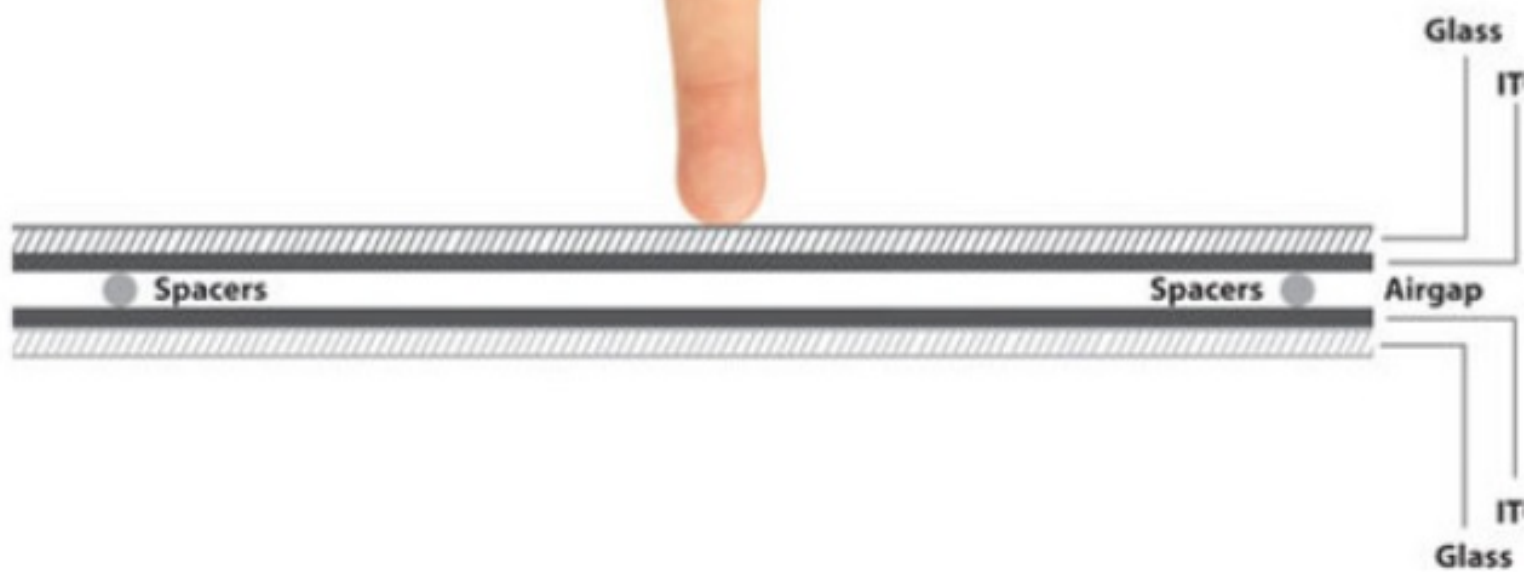
together make it easy to process multiple tasks at once. A shared cache memory hierarchy (with multiple levels) dynamically allocates resources to each core - based on the current load. This shortens the average memory access time. Thanks to the improved technology built into the graphics card processor, you can now watch movies in Full HD quality and resolution. Low energy consumption provides long-term battery life.

Ergonomic design



MobiPad T1300-A8 is an industrial tablet that is designed with a focus on durability and user comfort. The device's performance is perfect both in and out of industrial environments due to its solid yet slim housing that is 24 mm thick and modern design. A well-thought-out, unique size increases the handiness and ergonomics of the tablet. The equipment's safety is assured by the non-slip surface and reinforced rubber corners prevent damage caused by falls.

Capacitive screen



The device's response isn't about physical pressure on the screen, but about detecting a change in the electrostatics field at the point of touch. This

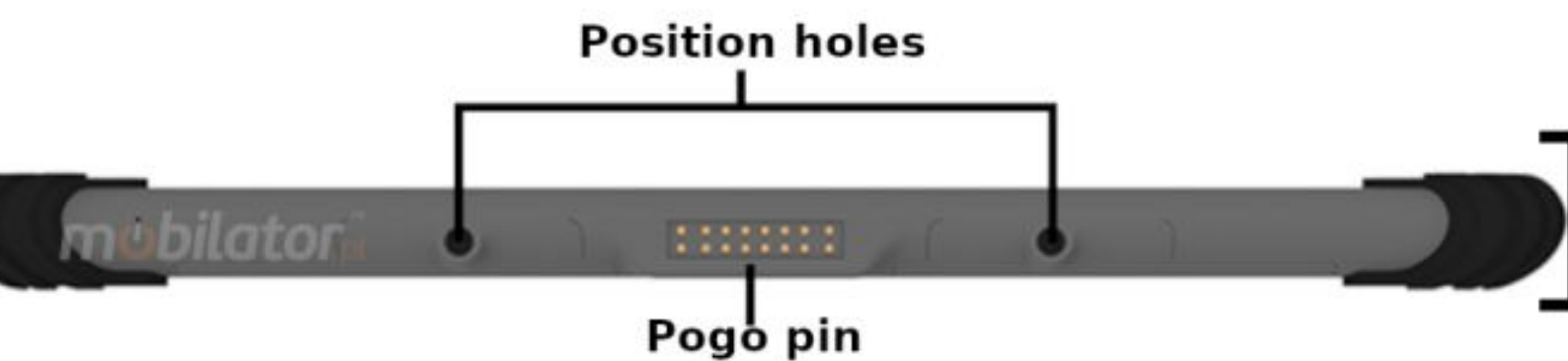
allows for much more precise handling, including gentle finger swings. Moreover, this technology allows you to use the functionality of using tablets or data clloectors.

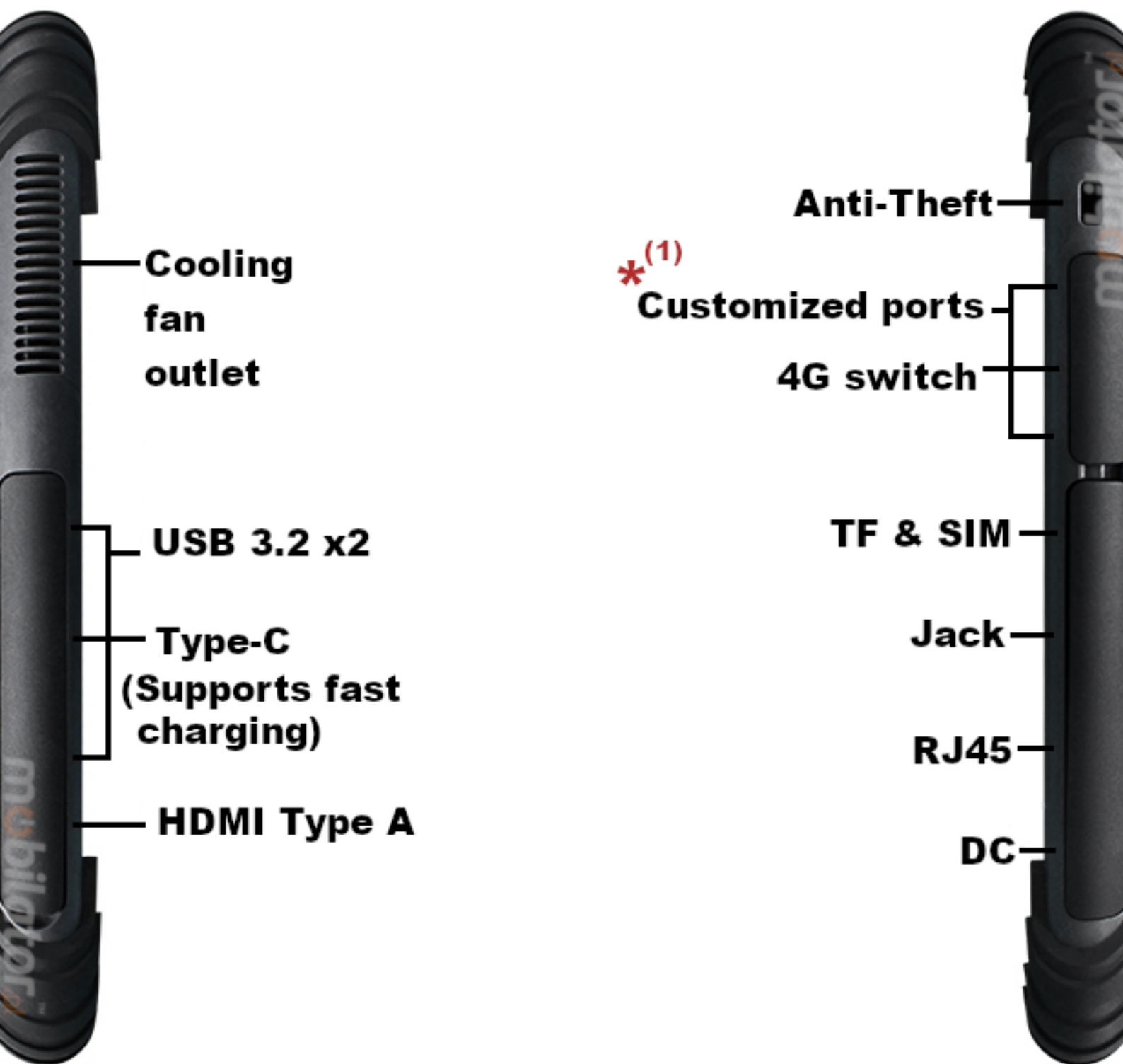
Connectors & dimentions

Dimensions	168.3 x 79.5 x 16.9mm
Net weight	1500g



337.7 mm





⁽¹⁾
*** Customized ports**

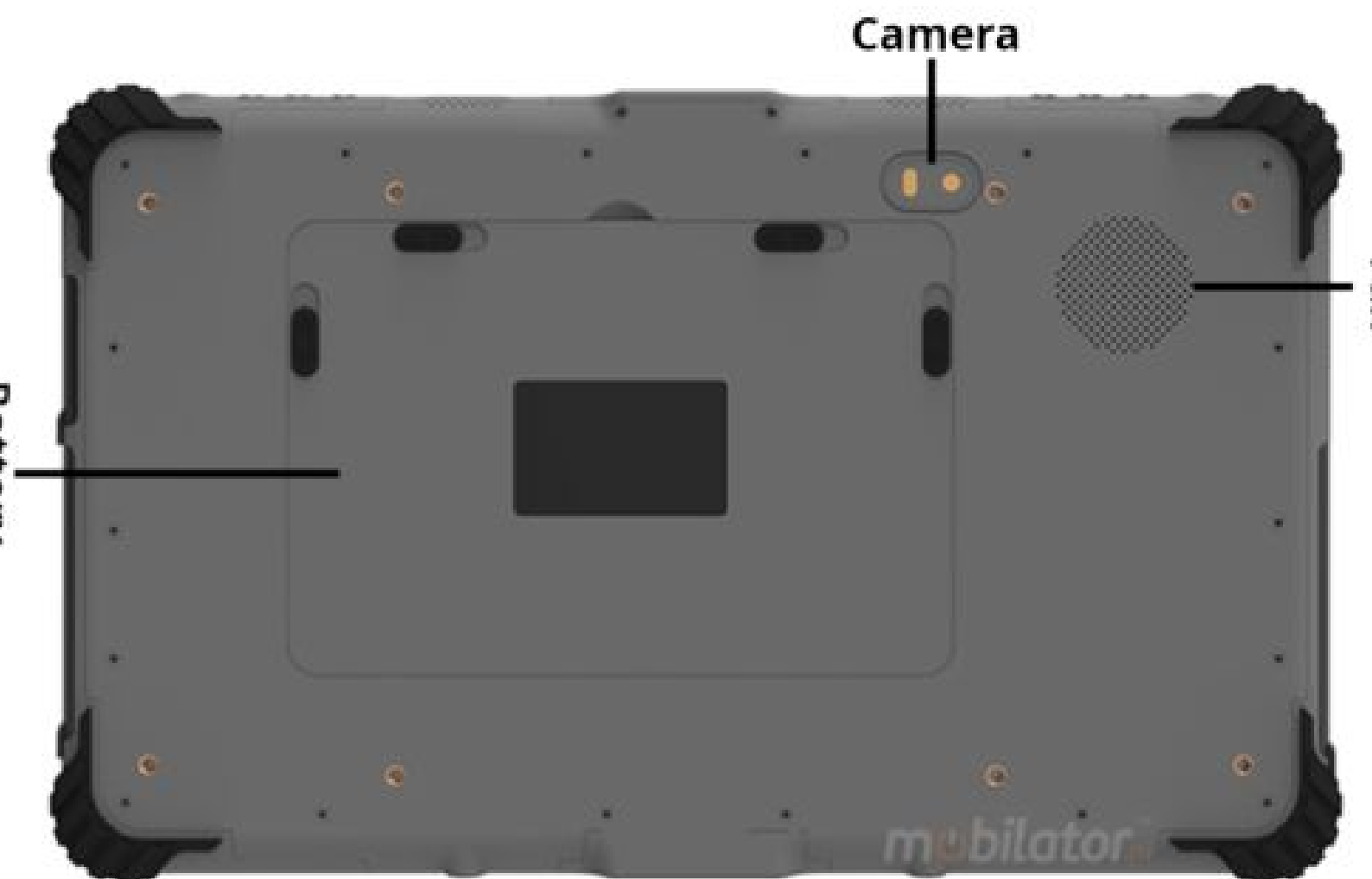
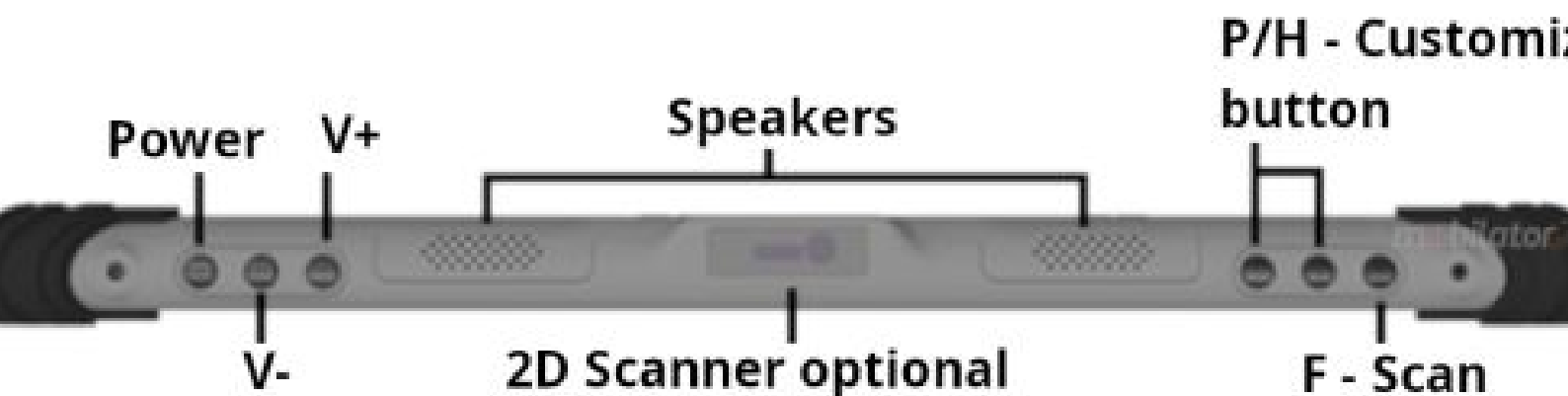
2x USB 3.0
or
2x RS232
or
2x RS485
lub
1x USB 3.0 + 1x RS232
or
1x USB 3.0 + 1x RS485
or
1x RS232 + 1x RS485

1x USB 3.0
or
1x RS232
or
1x RS485



ATTENTION:

1. With the option of one RS232 connector, it will be an incomplete connector, supporting only the following signals: TX, RX, GND.
2. With the option of two RS232, the first will be as described in the point 1, and the second will support signals on all pins (according to the full standard of the RS232 connector).



DATA COLLECTING

Barcode scanner (optional)



Honeywell N4680



The barcode reader allows you to read, decode and send the information contained in the code to your software installed on a waterproof tablet. Thanks to advanced scanning functions and a wide reading range, the durable tablet precisely collects data, which speeds up and improves the work process. The entire system can be started quickly because the simple installation process and intuitive, convenient design make preparing the scanner for operation extremely easy.

2D Scanner	Honeywell N4680*
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* Optional equipment, available only on specific version or on request.

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RESISTANCE

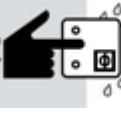
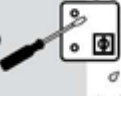


IP65 Protection

Firts digit

Protection level

Second digit

No special protection	0 	No special protection
Protection from solid objects greater than 50mm in diameter	1 	Protection from dripping water
Protection from object not greater than 12mm in diameter	2 	Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter	3 	Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter	4 	Protection from splashed water
Complete protection against contact, Protection against dust deposit	5 	Protection from water projected from a nozzle (6.3 MPa)
Complete protection against contact, protection from infiltration of dust	6 	Protection against heavy seas, or powerful jets of water
	 7	Protection against immersion
	 8	Protection against complete, continuous submersion

MIL-STD 810G standard

The U.S. military uses MIL-STD-810 as a military standard to test how well devices can withstand harsh weather and environmental conditions, such as large temperature changes, rain, dust, and random events such as shocks, floods, or falls from high places. Although this standard is mainly used in military equipment, it is also increasingly used by private manufacturing companies that need a very durable device.

1.22m drop resistance

Thanks to its special construction, armored tablet is resistant to accidental falls from a height of up to 1.2 meters during operation, even to hard surfaces.

Extreme temperatures

MobiPad T1300-A8 is designed to operate over a wide temperature range, from -20°C to 60°C, enabling its continuous use in extreme weather conditions. The device can be stored at even lower temperatures, from -40°C to 60°C, when not in use. Moreover, this shockproof tablet is able to operate effectively in high humidity environments, withstanding relative air humidity levels of up to 95%.

Operation temperature **-20°C ~ 55°**

Storage temperature **-40°C ~ 60°C**



Working Temp.	-20°C do 60°C
Storage Temp.	-40°C do 60°C
Humidity	0% do 95%

WIRELESS COMMUNICATION

GPS Navigation

The industrial tablet MobiPad T1300-A8 is equipped with the advanced GPS module, which also supports GLONASS, Beidou and Galileo systems. By combining low energy consumption with high precision, navigation works quickly and smoothly, allowing you to easily and conveniently reach your chosen destination.

Bluetooth 5.2

Bluetooth allows for short-distance wireless communication between various electronic devices, such as a keyboard, computer, laptop, palmtop or mobile phone..



Wi-Fi network

The dual-band Wi-Fi module allows you to quickly connect to the network in

locations where both secured and open hotspots are accessible. For users who have a router at home or at work and a free wireless network, this is a useful solution. Thanks to latest WiFi 6 standard, the durable tablet for use in production halls MobiPad T1300-A8 can send and recive data at very high speeds - maximim up to 1775 Mbps (under ideal conditions).

Standards	802.11(a/b/g/n/ac/ax)
Frequencies	2.4G/5G (Dual-Band)

NFC

Near Field Communication (NFC) is a short-range radio standard enabling wireless data exchange at distances of up to several centimeters. This technology combines smart card and reader functions in one device, operating in accordance with the ISO14443 standard.. The NFC works with existing transportation and payment infrastructure and has a range of approximately 1–3 cm.

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APPLICATION

Trade and Services

Thanks to their versatility and easy operation, increased tablets for logistics are a valuable tool for sales representatives. Modern applications on shockproof tablets allow you to save contractors database, which makes it easier to quickly search by name or Tax Identification Number. Similarly, you can manage a commodity database that runs in parallel with customer data. In addition fall-resistant tablets in trade market allows direct sending of orders or invoices to the company via GSM or Wi-Fi.



Industry and Construction

The main characteristic that sets tablets apart is how resilient they are to

challenging working conditions. The reliable operation of these devices is facilitated by their dust-proof, and waterproof housing, which is frequently certified by the military MIL-STD 810G standard and IP65 certification. This is especially applicable in demanding industrial environments or on construction sites. Thanks to specialized applications, these devices can be used to monitor and control industrial processes as well as to collect and analyze data.



Warehouse

A durable tablet for warehouse is an excellent tool for quick inventory.

Depending on the software used, it improves the process of receiving and releasing goods in the warehouse, using resistant tablets for logistics has several advantages, such as time saving and increased customer satisfaction thanks to significant improvement and acceleration of service.



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AVAILABLE ACCESSORIES AND VERSIONS

Several variants of the industrial tablet MobiPad T1300-A8 are available to meet various requirements. Clicking on the specific configuration number will take you to the product description with the parameters listed in the table below. At the customer's request, it is possible to create a configuration that is not currently available in the offer.

Docking Station



Docking station (desk) with additional ports 2x USB, RS232, RJ-45.

[Check](#)

Suitcase Strap



Suitcase strap allows for a stable and secure grip in one hand.

Check

Wrist Strap



Wrist strap allows for comfort in using of durable tablet.

Check

Shoulder Strap



Shoulder strap increases comfort for the user and significantly reduces the risk of dropping the tablet

Check

Standard battery, 8000mAh



Standard battery for industrial tablet. Big capacity - 8000mAh.

[Check](#)

Magnetic keyboard



Magnetic keyboard made of the highest quality material

[Check](#)

Standard adapter



Standard adapter for industrial tablet

[Check](#)

The professional MobiPad T1300-A8 armored tablet is offered in several versions adapted to various needs. By clicking on the hardware configuration number, we are redirected to the product with the parameters given in the table below. Moreover, at the customer's request, it is possible to create a configuration currently unavailable in the offer.



More photos in full resolution available in the [„Gallery“](#).

	v.1	v.2	v.3	v.4
Honeywell N4680	—		—	
RFID UHF	—	—		