



MobiPad T1300U-02 v.4 - Industrial tablet designed for harsh environments with Honeywell 2D scanner and UHF RFID reader

| | |
|-------------------------------------|--|
| Category: | UMPC - Ruggedized |
| Manufacturer: | Mobilator |
| Operating System: | Windows 11 Pro |
| Display: | 13.3" |
| Brightness: | 450 nits |
| Processor: | Intel i5-1235U (10x max.4.4GHz Turbo) |
| Memory: | 16GB RAM |
| Hard Drive: | 512GB 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°C Storage temperature: -25°C ~ 80°C |
| Humidity: | 0% -- 95% |
| 1D barcode scanner (reader): | No |
| 2D barcode scanner (reader): | Honeywell N4680 |
| RFID scanner (reader): | NFC 13,56MHz (on the back of the tablet) UHF (860-960MHz) do 5m |

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| Other: | No |
| Battery: | 7.6V, 8000 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: | Rear: 8Mpx Front: 2Mpx |
| 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: | Intel Iris Xe Graphics 80EU |
| Chipset: | Intel 600 series for Alder Lake-U |
| BIOS: | No |
| Casing material: | ABS |
| Flash Card Reader: | TF card (max. 128GB) |
| CD/DVD: | No |
| Audio: | Built-in microphone and speaker |

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|--|--------------------------|
| 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 |

7 121,70 zł

net price: 5 790,00 zł

MobiPad T1300U-02

The world's largest industrial tablet



SPECIFICATION

DATA COLLECTING

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

MobiPad T1300U-02 - 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 T1300U-02

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|------------------|--|
| Processor | Intel i5-1235U (10 cores, 12 threads 1.3GHz/turbo 4.4GHz) |
| Operating system | Windows 11 PRO |
| RAM | 16GB |
| SSD | 512GB (M.2 2242 SATA) |
| Display | 13.3", 1080x1920, IPS, 16:10, 450 nits |
| Touch | Capacitive (10-point) |
| Battery | 7,6 V/8000 mAh |

MobiPad T1300U-02

| | |
|--------------------|---|
| Camera | 5Mpx Front 8Mpx Rear |
| Protection | IP65 MIL-STD 810 |
| Communication | 4G 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 |
| Barcode scanner 2D | Honeywell N4680 |

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



Detailed device specification is available in the "Technical data"

The Intel i5-1235U processor, which is both high performance and energy-efficient, is installed in a dustproof industrial tablet. Ten processor 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.

New Portable Devices | NIP: 872-120-56-82 | Mobile.: +48 508 235 505 | e-mail: sklep@mobilator.pl

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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 T1300U-02 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.

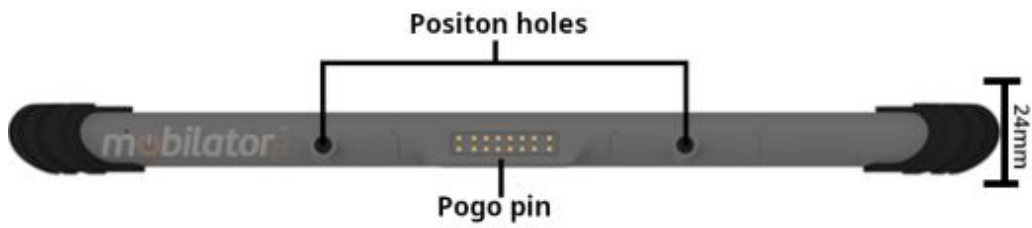
Capacitive screen



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 collectors.

Connectors & dimensions

| | |
|-------------------|-----------------------|
| Dimensions | 168.3 x 79.5 x 16.9mm |
| Net weight | 1500g |





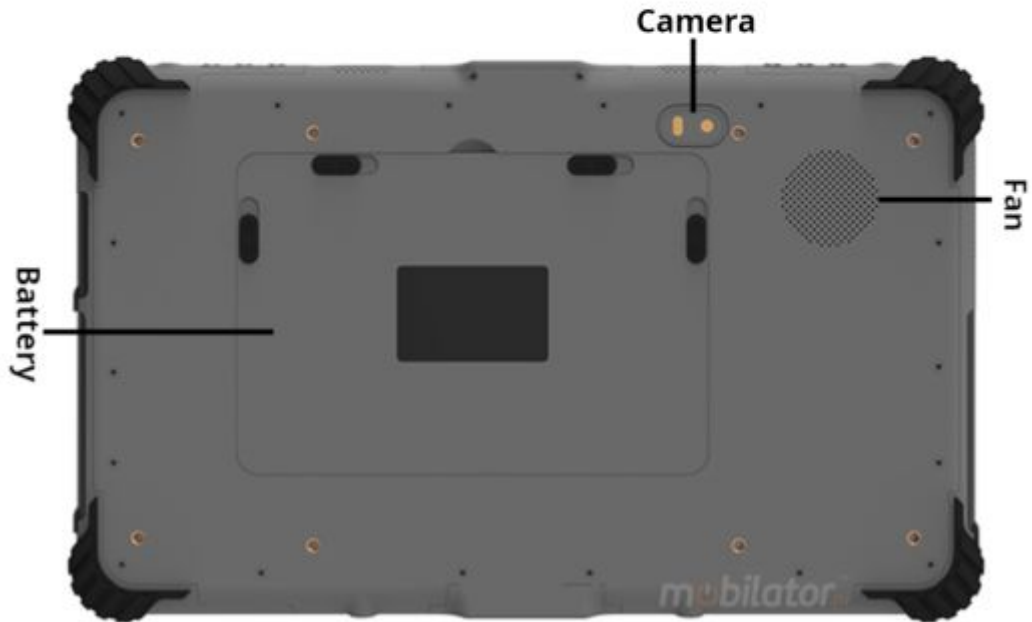
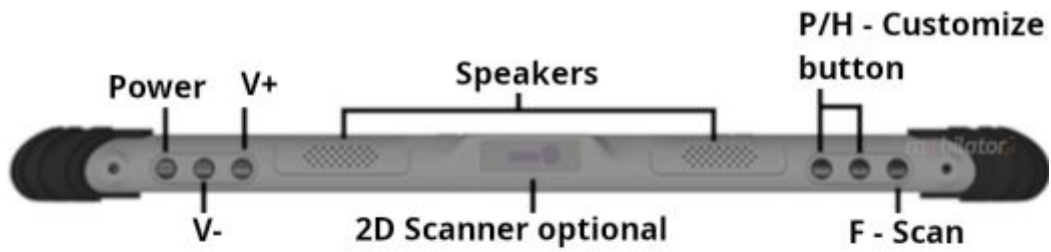
⁽¹⁾
* Customized ports

| |
|--|
| <p>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</p>  |
|--|

| |
|--|
| <p>1x USB 3.0 or 1x RS232 or 1x RS485</p>  |
|--|

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).



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DATA COLLECTING

Barcode scanner

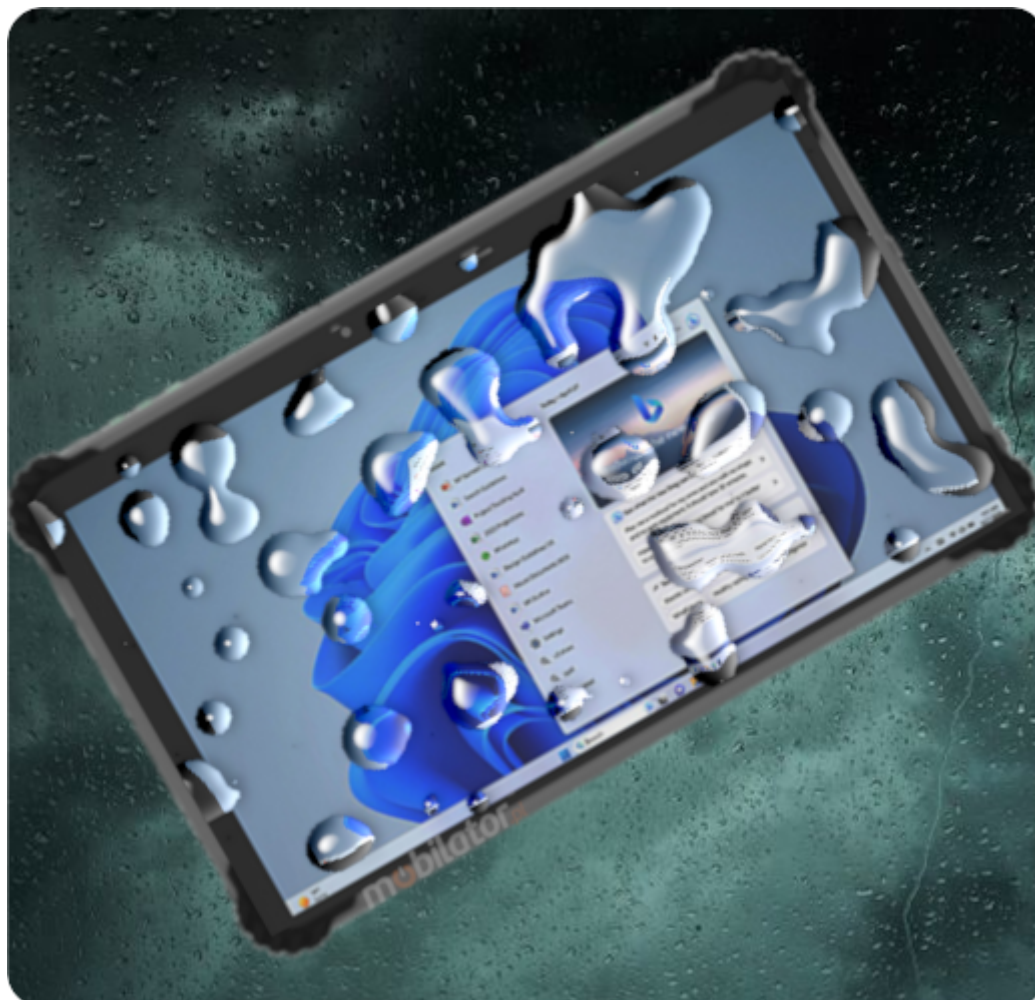


The barcode reader allows you to read, decode and send the information contained in the code to your software installed on a waterproof tablet. Thanks to advanced scanning functions and a wide reading range, the durable tablet precisely collects data, which speeds up and improves the work process. The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



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| 2D Scanner | Honeywell N4680 |
|------------|-----------------|


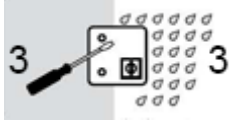

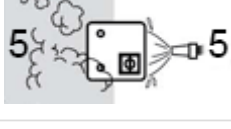


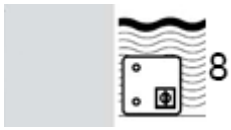
* Optional equipment, available only on specific version or on request.

RESISTANCE



IP65 Protection

| Firts digit | Protection level | Second digit |
|---|---|--------------------------------|
| No special protection | 0  0 | No special protection |
| Protection from solid objects greater than 50mm in diameter | 1  1 | Protection from dripping water |

| Firts digit | Protection level | Second digit |
|--|---|--|
| Protection from object not greater than 12mm in diameter |  | Protection from vertically dripping water (tilted up to 15°) |
| Protection from object not greater than 2,5mm in diameter |  | Protection from sprayed water (tilted up to 60°) |
| Protection from object not greater than 1mm in diameter |  | Protection from splashed water |
| Complete protection against contact, Protection against dust deposit |  | Protection from water projected from a nozzle |
| Complete protectionm against contact, protection from infiltration of dust |  | Protection against heavy seas, or powerful jets of water |
| |  | Protection against immersion |
| |  | Protection against complete, continuous submersion in water |

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 T1300U-02 is designed to operate over a wide temperature range, from -20°C to 55°C , enabling its continuous use in extreme weather conditions. The device can be stored at even lower temperatures, from -25°C to 80°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 $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Storage temperature $-25^{\circ}\text{C} \sim 80^{\circ}\text{C}$



| | |
|----------------------|---------------|
| Working Temp. | -20°C do 60°C |
| Storage Temp. | -25°C do 80°C |
| Humidity | 0% do 95% |

WIRELESS COMMUNICATION

GPS Navigation

The industrial tablet MobiPad T1300U-02 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 the latest Wi-Fi 6 standard, the durable tablet for use in production halls, the MobiPad T1300U-02 can send and receive data at very high speeds - maximum up to 1775 Mbps (under ideal conditions).

| Standards | 802.11(a/b/g/n/ac/ax) |
|-----------|-----------------------|
|-----------|-----------------------|

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.

[up...](#) [menu...](#)**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 T1300U-02 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



Check

Wrist Strap



Wrist strap allows for comfortable 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, capacity = 8000mAh.

Check

Magnetic keyboard



Magnetic keyboard made of the highest quality material

Check

Standard adapter



Check

The professional MobiPad T1300U-02 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.

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

| | v.1 | v.2 | v.3 | v.4 |
|-----------------|-----|-----|-----|-----|
| Honeywell N4680 | — | + | — | + |
| RFID UHF | — | — | + | + |