



MobiPad RT-UF1330DS v.13 - Multi-purpose water and dust resistant tablets with 48GB RAM + 2TB SSD memory, with FBI fingerprint reader and Newland N1 scanners, UHF RFID

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Windows 11 Pro (electronic license)
Display:	13.3" 1920x1080
Brightness:	500 nits
Processor:	Intel i7-1255U (10x max.4.7GHz Turbo)
Memory:	48GB RAM DDR5
Hard Drive:	2TB SSD M.2 NVMe
Flash Memory:	---
Touch screen:	Capacitive 10 - point touch
Durability:	IP65
Drop:	1,2 m
Shock:	MIL-STD-810H
Vibration:	MIL-STD-810H
Temperature:	Operating temperature: -20°C ~ 60°C Storage temperature: -30°C ~ 70°C
Humidity:	0% to 95%
1D barcode scanner (reader):	---

2D barcode scanner (reader):	Newland N1
RFID scanner (reader):	RFID UHF PR9200 NFC 13.56MHz RFID HF 13.56NHZ (Optional)
Other:	FBI Fingerprint
Battery:	6000mAh (2x 3000mAh) 11.4v
Working time on battery:	5h
Fast battery replacement ability:	Yes
HotSwap battery:	Yes
LAN:	1x RJ45
WLAN:	WiFi 5
Bluetooth:	Bluetooth 5.2
WAN:	4G
GPS:	GPS BeiDou Galileo GLONASS
Camera:	camera front: 8Mpxcamera rear: 12Mpx
In/Out:	1x USB 3.0 2x USB 2.0 1x DC 10V-3.42A 1x Jack PogoPin 1x MicroSIM 1x TF1x RJ45 1x RS232 1x HDMI 2x aviation plug (option)
Optional accessories:	Yes
Docking station connector:	Yes
VESA standard – holders and mounts support:	Yes
COM port:	1x RS232
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	Yes
Graphics card:	Intel Iris Xe Graphics
Chipset:	Alder Lake-U
BIOS:	-----
Casing material:	PC+10%Fiberglass+TPU
Flash Card Reader:	TF
CD/DVD:	Nie

Audio:	2x speakers 2x MIC
Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	Black
Swivel Hinge:	-----
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP65 MIL-STD-810H
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	336.80 x 224.80 x 23mm
Fanless casing:	Yes
Weight:	2.15kg

3 227,64 €

net price: 2 624,10 €

MobiPad RT-UF1330DS



SPECIFICATION

DATA COLLECTING

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The MobiPad RT-UF1330DS are 13.3-inch industrial tablets with a reinforced construction that meet the IP65 standard protection which provide protection against water and dust. These devices are equipped with two 3000mAh batteries, 4G connectivity and WiFi 5, enabling reliable operation in extreme conditions and demanding environments.

[do góry...](#) [menu...](#)

SPECIFICATION

MobiPad RT-UF1330DS v.13

Processor	Intel i7-1255U (10 cores, 12 threads, 1.7 GHz/4.7 GHz turbo)
Operating system	Windows 11 Pro (electronic license)
RAM DDR5	48GB
SSD M.2 NVMe	2TB
Display	13.3" 1920x1080 500 nits
Touch screen	Capacitive (10-point)
Battery	2x 3000mAh Wskaźnik ładowania
Protection degree	IP65

MobiPad RT-UF1330DS v.13

Cards	1x Micro SIM 1x TF (up to 256GB)
Communication	4G Bluetooth 5.2 WiFi 5 GPS
Connectors	1x USB 3.0 2x USB 2.0 1x DC 19V 1x RS232 1x Jack Pogo Pin 1x RJ45 1x HDMI 2x Aviation plug ** (for Can/COM/USB/DC)
Scanner 2D	Newland N1
Radio readers	NFC * (optional) RFID UHF PR9200 RFID HF 13.56 NHZ *(optional)

* Optional equipment available in the relevant product versions or on request

** Possibility to select aviation connectors (Aviation plug) available in the configurator of each product version



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

The MobiPad RT-UF1330DS military tablet is powered by an Intel i7-1255U processor, which provides advanced computing power capable of supporting the most demanding industrial applications. The ten-core processor guarantees high data processing speed and stable operation both for single tasks and when handling multiple processes simultaneously. The processor architecture has been optimized for stability under extreme conditions, guaranteeing reliable performance regardless of system load or environmental conditions.

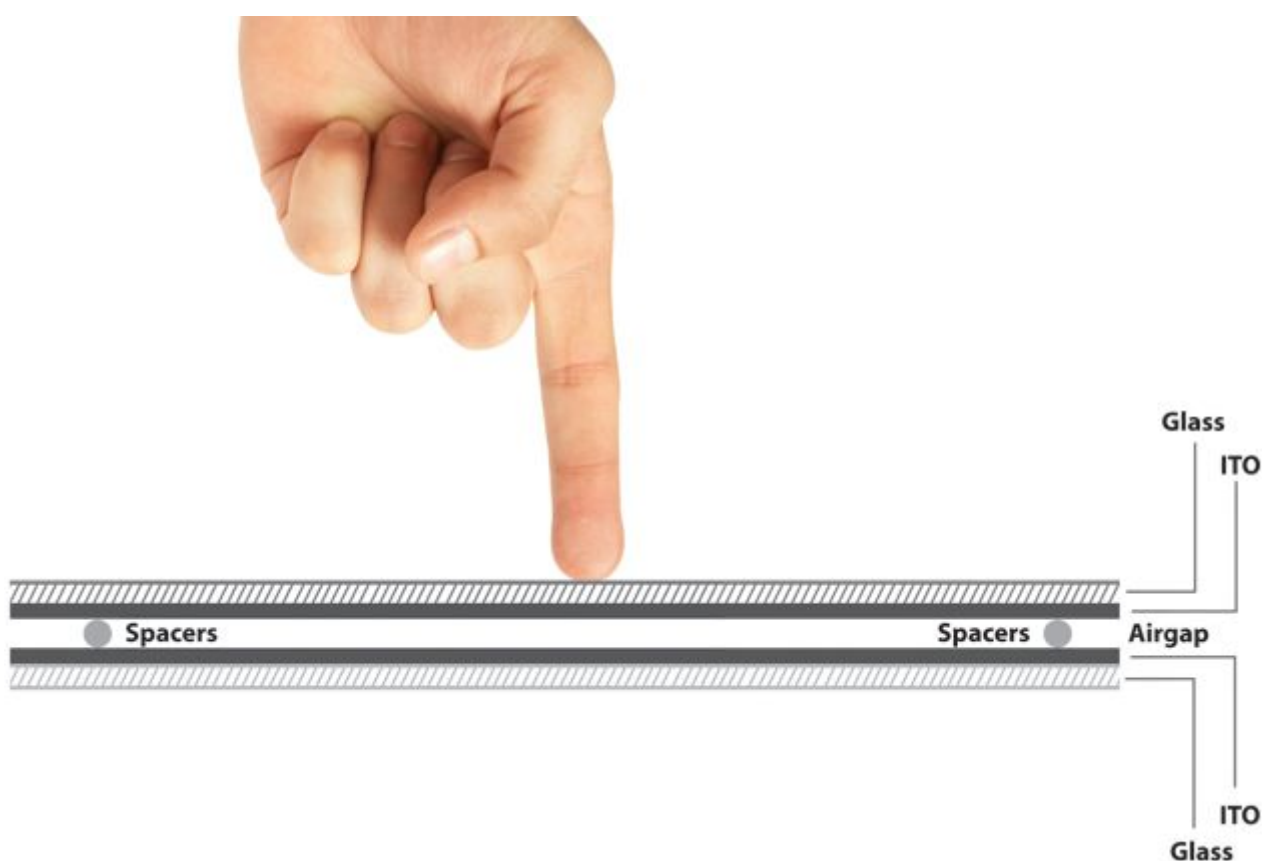
Ergonomic design

The MobiPad RT-UF1330DS housing is designed for maximum functionality and user comfort in dynamic field conditions. The device combines an intuitive interface layout with a well-thought-out housing geometry that ensures excellent screen visibility and hassle-free operation even when working in a busy environment. The top edge of the tablet features an integrated handle mounted for free portability, making it easier to transport between workstations and reducing the risk of accidentally dropping equipment.



The massive but consciously proportioned silhouette of the device guarantees a secure and stable grip, regardless of working conditions – whether in a warehouse, on construction site or during field inspections. The reinforced housing frame not only protects against damage, but also contributes to an ergonomic shape that does not burden the user during multi-hour work sessions.

Capacitive screen



The touchscreen display is based on capacitive technology, which records the change in the electric field on the glass surface. When the user brings the finger –

the natural conductor of electricity – closer to the conductive coated layer, a local change in capacitance occurs, which advanced sensors immediately identify as the touch point. Such panels are characterized by exceptional sensitivity to contact, transparency that does not disturb the visibility of the contents and a damage-resistant surface. In industrial environments, such solutions are particularly distinguished by the durability of the screen and a solid mechanical structure, ensuring continuous reliability during heavy work and demanding terrain conditions.

500 nits screen

The 500 nits screen maintains good readability of content in a variety of lighting conditions, from the interiors of industrial halls to open-air workstations. The combination of high luminance with wide viewing angles ensures that information remains visible without the need to frequently correct the display position relative to the light source.



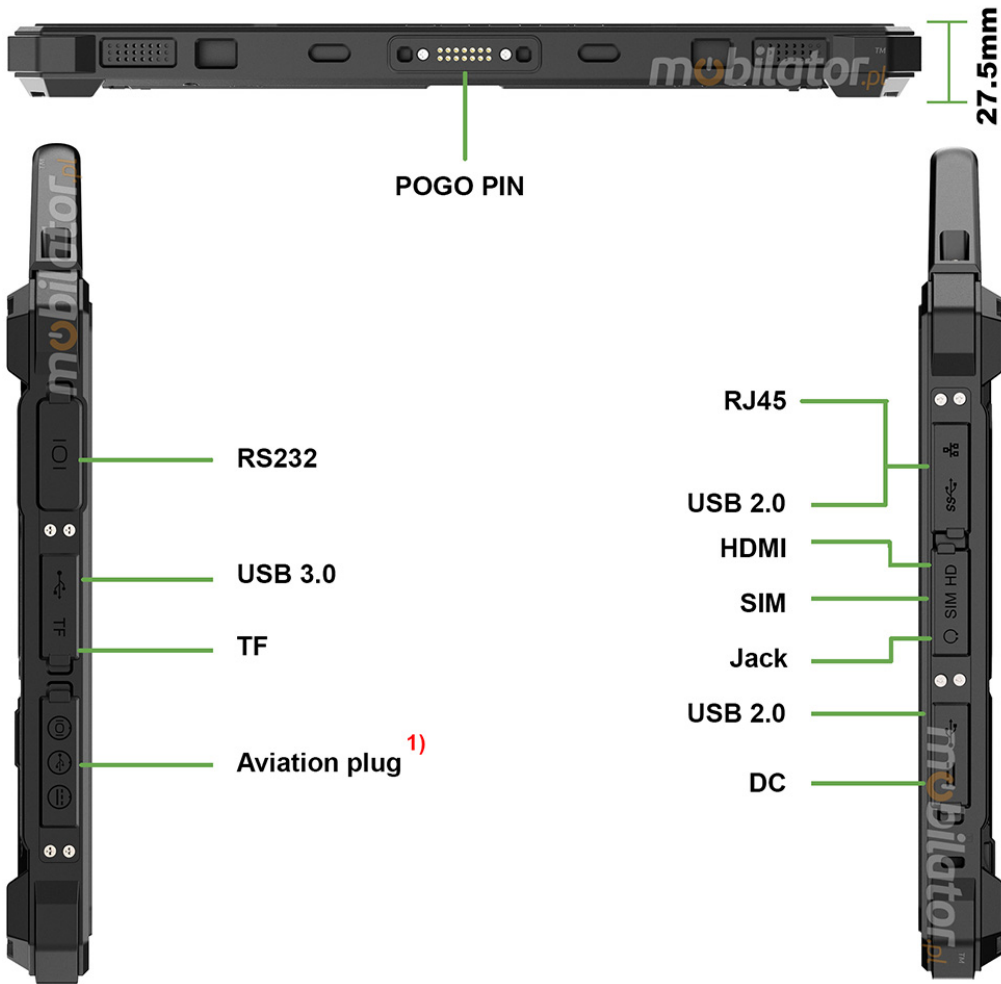
Screen parameters have been adjusted to reduce reflections, which translates into less visual strain during long-term operation. Maintaining high contrast and even backlighting allows for accurate interface operation and reliable reading of drawings or technical diagrams even in strong outdoor lighting. This type of characterization is crucial in environments where the transparency of the presented data directly affects the pace and effectiveness of task execution.

[do góry...](#) [menu...](#)

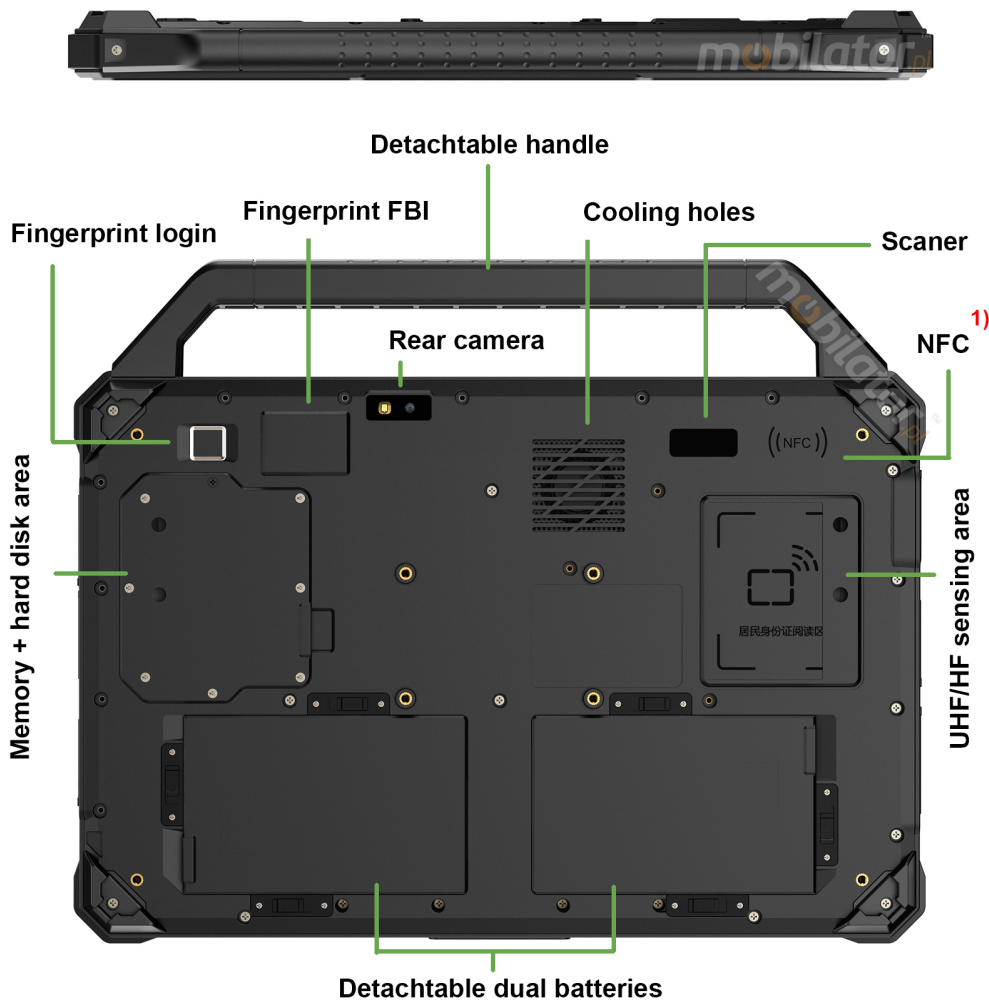
Connectors, buttons and dimensions

The MobiPad RT-UF1330DS has been developed for practical use in particularly demanding industries. A rich set of communication interfaces combined with increased environmental resilience makes the tablet suitable for intensive use in industry, logistics and field work, ensuring continuity of operation in situations where response time is crucial.





1)
Aviation plug available during device configuration



1) NFC available in appropriate product versions or upon request

Dimensions	342 x 275.2 x 27.5mm
Weight	2.15kg

The device is equipped with two speakers, one microphone and a rich set of ports: USB 3.0, USB-2.0, a dedicated DC 19V-3.42A power socket and a 3.5 mm Jack audio output. Stable connectivity and network support is provided by a Micro SIM slot, an RJ45 port and a PogoPin connector to the docking station. The

key differentiator is two extremely durable aviation connectors (aviation plug) that guarantee a stable connection with professional industrial accessories.

[do góry...](#)

[menu...](#)

DATA COLLECTING

NFC



(optional)

NFC proximity technology is a wireless communication standard that enables fast and efficient data transmission over short distances. In an industrial environment, this solution automates workflows, eliminating the need to manually enter information or use traditional identification methods.



The MobiPad RT-UF1330DS is equipped with an advanced NFC module operating at 13.56 MHz, compliant with ISO 14443A/B and 15693 standards (supporting Mifare, DESFire tags and industrial tags). This technology enables instant user authentication, quick pairing of peripherals, and automatic software initialization when approached to the appropriate tag. Thanks to its compatibility with various tags mounted on devices and shipments, the terminal has dramatically accelerated data flow and simplifies daily operations in an advanced warehouse and logistics environment.

* Optional equipment available in the respective product versions or upon request

Scanner 2D

The MobiPad RT-UF1330DS comes in several equipment versions, allowing you to choose the right configuration for specific applications — from variants intended primarily for working with data to models equipped with integrated code scanning modules.

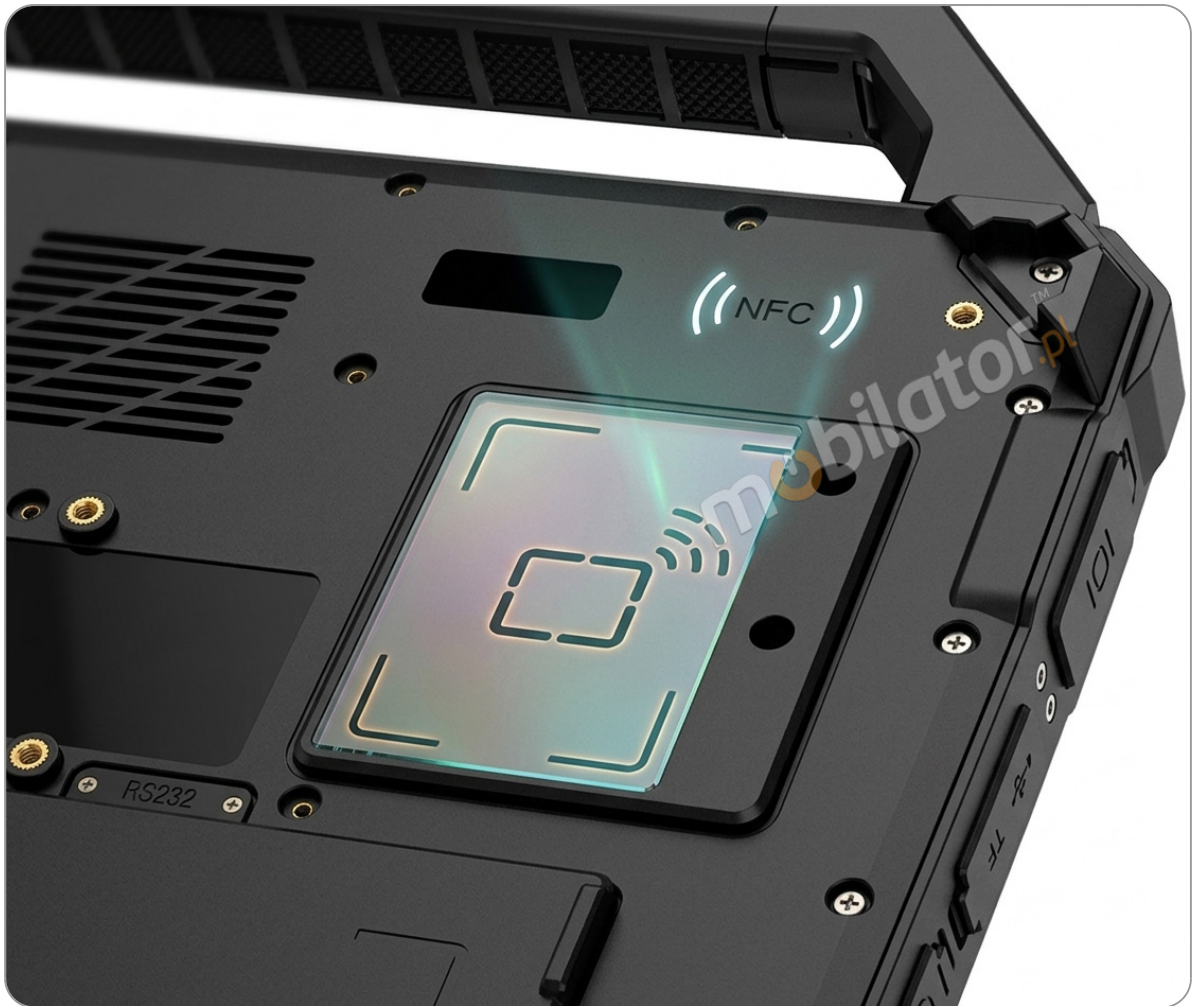


In more extensive configurations, the tablet can come pre-installed with a professional 2 D scanner, and the selection of a specific reader remains flexible depending on the version of the device. The Newland N1 module provides fast

code reading, including from mobile device screens. Support for 360° omnidirectional scanning translates into higher work efficiency in warehouses, logistics and the field, especially where speed and reliability of goods identification are key.

RFID

RFID used in industrial tablets is a non-contact identification solution that uses radio waves to quickly read and write data from multiple tags simultaneously, without the need to see them directly. This technology clearly improves logistics and inventory processes, allowing for automatic monitoring of resources even in demanding working conditions.



The device can be equipped with one of the optional RFID modules, depending on the specific operation and the required reading range. The 13.56 MHz HF RFID version is suitable for applications requiring shorter distances and high identification precision. In turn, the configuration with the PR9200 UHF RFID module allows reading tags from longer distances, making it a suitable solution for more demanding environments such as warehouses or logistics centers.

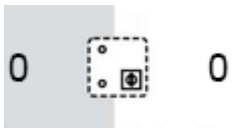

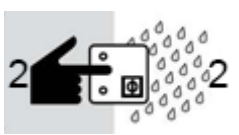
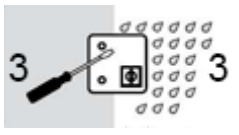
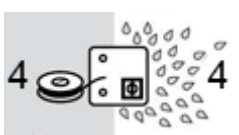
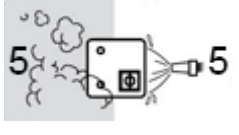



[do góry...](#) [menu...](#)

RESISTANCE

IP65 protection degree



IP65 is a leakproofness standard that determines the resistance of the enclosure to the influence of the external environment: a value of „6” indicates full protection against dust ingress, while „5” confirms resistance to water jets directed at the device from various sides. In the case of industrial tablets, this level of protection allows for safe operation in highly dusty zones, on open construction sites or in mines, and also allows the equipment to be washed under running water or used during heavy rainfall, reducing the risk of damage and downtime.

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
Protection from object not greater than 12mm in diameter	2  2	Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter	3  3	Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter	4  4	Protection from splashed water
Complete protection against contact, Protection against dust deposit	5  5	Protection from water projected from a nozzle
Complete protectionm against contact, protection from infiltration of dust	6  6	Protection against heavy seas, or powerful jets of water
	7  7	Protection against immersion
	8  8	Protection against complete, continuous submersion in water

Fall to 1.2 m

The reinforced MobiPad RT-UF1330DS design is designed to effectively protect device components from mechanical damage. The resistance to falls from a

height of more than 1 m, confirmed in tests, significantly reduces the effects of accidental drops or impacts, making this model suitable for operation in intensive and variable operating conditions.

Extreme temperatures

The MobiPad RT-UF1330DS armored tablet is designed to operate in extreme temperatures. Operating this model is possible in conditions up to 60°C above, which guarantees continuous task performance in the most demanding field and industrial environments. Also a very important feature is the high resistance to air humidity, up to 95%. This allows the device to be used safely in conditions with high water vapor condensation and in rapidly changing weather conditions. Such a wide environmental tolerance makes the tablet a reliable tool wherever standard electronics stop functioning.

Operating temperature $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Storage temperature $-30^{\circ}\text{C} \sim 70^{\circ}\text{C}$



Operation Temp.	-20°C do 60°C
Storage Temp.	-30°C do 70°C
Humidity	0% do 95%

[do góry...](#)
[menu...](#)

WIRELESS COMMUNICATION

GPS Navigation

The MobiPad RT-UF1330DS provides precise positioning by supporting GPS, BeiDou, Galileo and GLONASS systems. The use of multiple satellite standards reduces location determination time and improves measurement accuracy, including in places with limited sky visibility. This solution translates into stable signal reception where typical navigation modules may have operational problems.

Bluetooth 5.2

Bluetooth 5.3 provides uninterrupted wireless connections while minimizing power consumption. The implemented Connection Subrating function allows for intelligent rescaling between low power consumption mode and full transmission power mode, significantly extending hardware autonomy periods without compromising data transmission speed and stability.

WiFi network

The MobiPad RT-UF1330DS supports the modern Wi-Fi 5 standard (802.11ac) while maintaining backward compatibility with older protocols, enabling fast and stable connections across various network environments. The use of dual-band operation (2.4 GHz and 5.8 GHz) allows for the selection of a less loaded

channel and reduces interference in heavily loaded corporate networks. This configuration promotes smooth transmission of large volumes of data, working with ERP systems and cloud services at low latency, and broad compatibility with typical network infrastructure facilitates the integration of the tablet into the existing enterprise network.

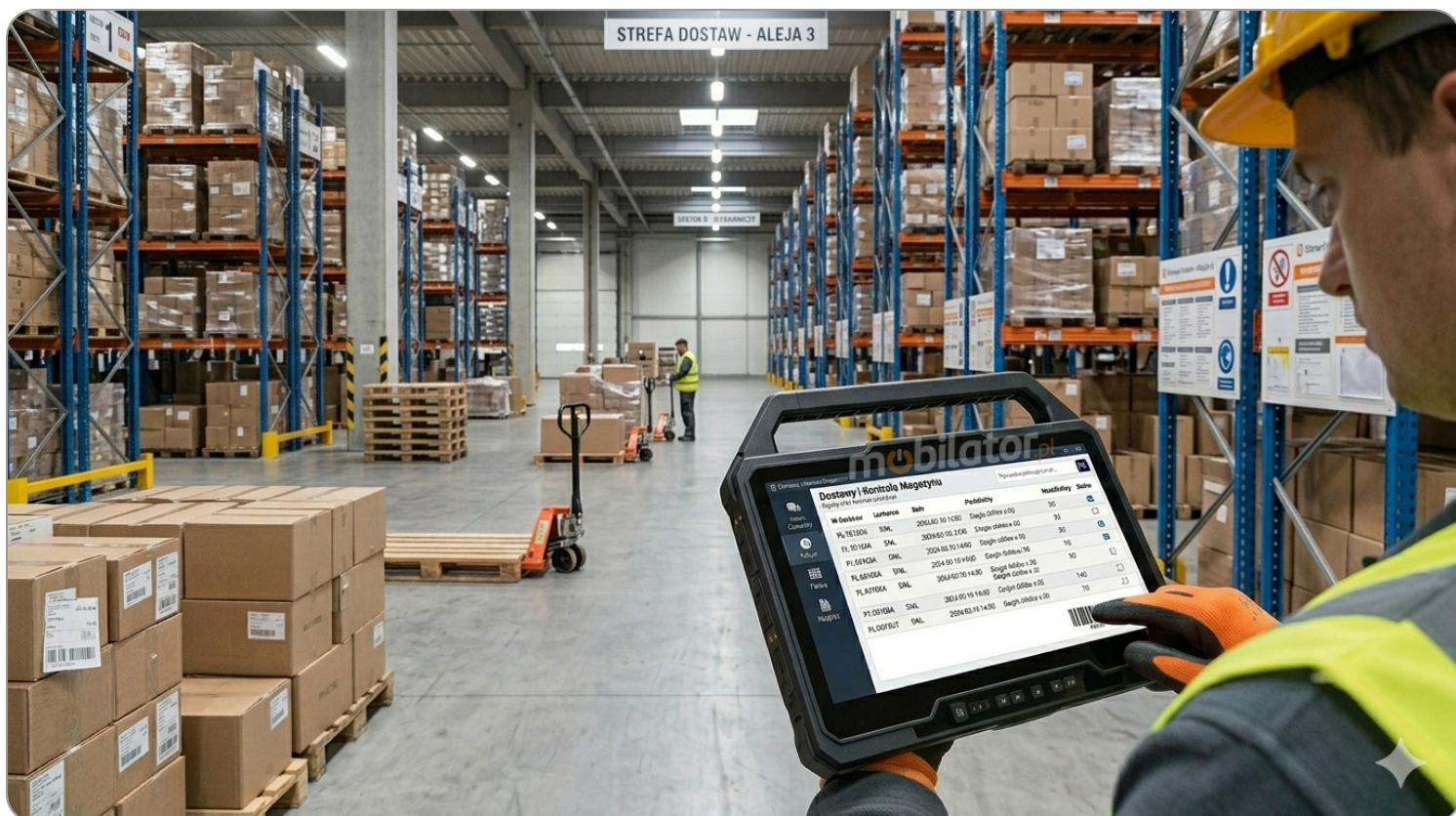
Standards	WiFi 5
Frequencies	802.11 (a/b/g/n/ac) 2.4G+5.8G Dual-band

[do góry...](#) [menu...](#)

APPLICATION

Trade and Service

Thanks to their versatility and intuitive operation, durable logistics tablets are a practical work tool for sales representatives. Modern software installed on shock-resistant devices enables the creation and ongoing search of a contractor database (e.g. by name or NIP number), as well as parallel management of the product database. Additionally, drop-resistant tablets used in commerce allow orders and invoices to be sent instantly to the company system.



do góry... menu...

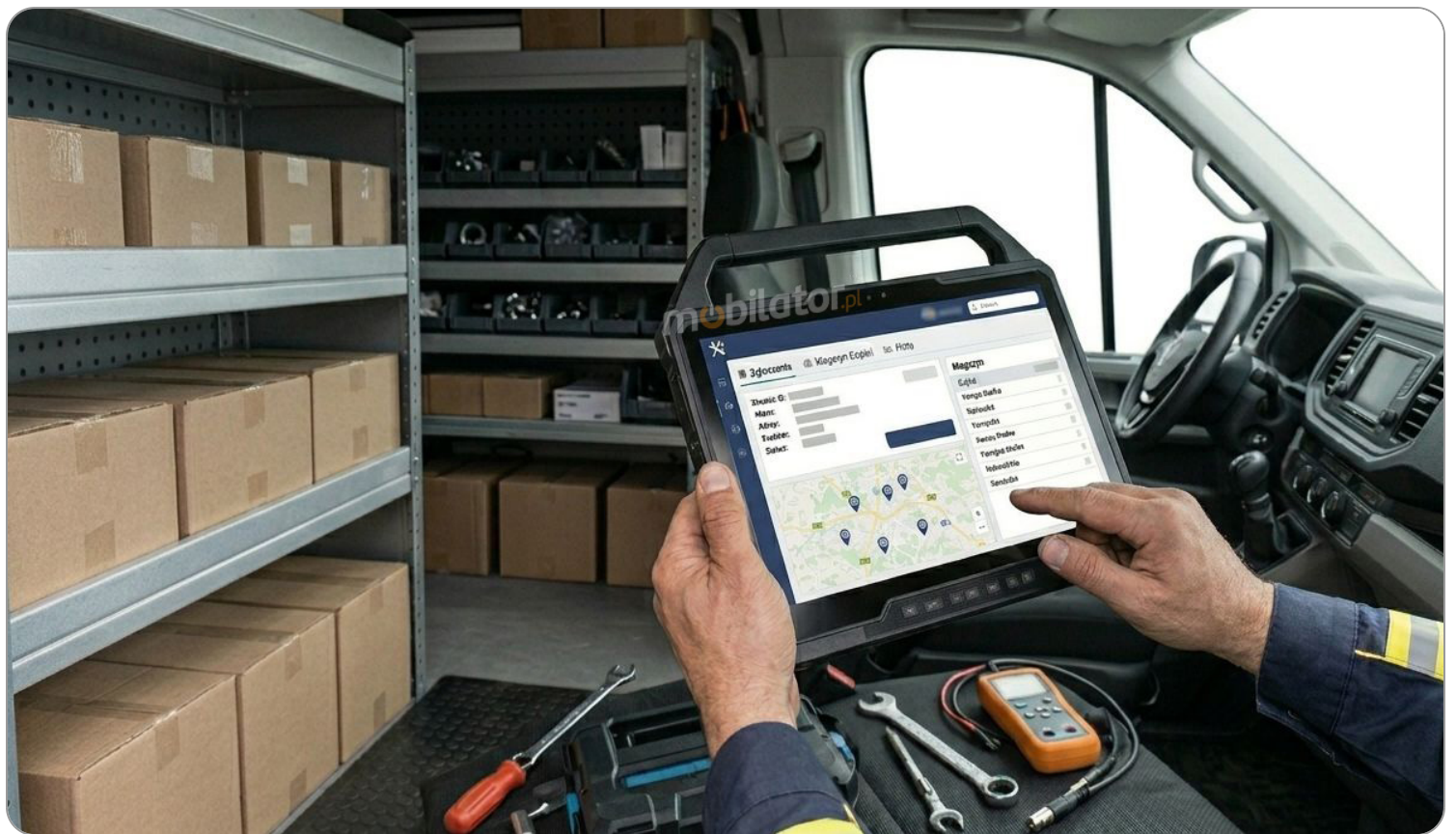
Industry and Construction

Industrial-grade tablets are distinguished primarily by their high resistance to demanding operating conditions. Dustproof and waterproof housings, often compliant with the MIL-STD-810H military standard and IP65 leakproof class, allow for their safe use in industrial plants and construction sites. This allows them to be used to supervise and control production processes, as well as for ongoing data collection and analysis in difficult work environments.



Service and logistics

The use of an armored tablet with the IP65 standard enables a complete departure from paper documentation in service zones. The device is designed to operate under conditions of exposure to grease, dust or water splashes, without losing functionality. Stable wireless connectivity allows for ongoing verification of parts availability, completion of vehicle repair history, and acceptance of cost estimates without leaving the job site, significantly accelerating order fulfillment and customer service.



do góry... menu...

AVAILABLE VERSIONS

Designed for use in demanding environmental conditions, the MobiPad RT-UF1330DS tablet is available in several hardware configurations to suit different applications. After selecting the variant number, the user is redirected to a specific model page with parameters corresponding to the data from the table. At the customer's request, it is also possible to prepare an individual configuration not included in the standard offer.

	v.1	v.2	v.3	v.3.1	v.4	v.5	v.6
16GB+256GB SSD M.2	+	+	—	—	—	—	—

NFC	—	+	—	+	—	—	—
16GB+512GB SSD M.2	—	—	+	+	+	+	—
Fingerprint FBI	—	—	+	—	—	—	+
Newland N1	—	—	—	+	+	+	+
RFID UHF	—	—	—	—	+	—	+
RFID HF	—	—	—	—	—	+	—
32GB+1TB SSD M.2	—	—	—	—	—	—	+
48GB+2TB SSD M.2	—	—	—	—	—	—	—
	v.7	v.8	v.9	v.10	v.11	v.12	v.13
16GB+256GB SSD M.2	—	—	—	—	—	—	—
NFC	—	—	—	+	—	—	—
16GB+512GB SSD M.2	+	+	—	—	—	—	—
Fingerprint FBI	—	—	—	—	+	+	+
Newland N1	—	+	+	+	+	+	+
RFID UHF	—	+	—	—	+	—	+
RFID HF	—	—	+	—	—	+	—
32GB+1TB SSD M.2	—	—	+	+	+	—	—
48GB+2TB SSD M.2	—	—	—	—	—	+	+



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