Mobile.: +48 508 235 505
e-mail: sklep@mobilator.pl

EMDOOR I10A (i5) v.8 - Rugged tablet with i5 processor, NFC, additional USB 2.0 port and Windows 11 PRO - 512GB SSD, 16GB RAM

Category:	UMPC - Ruggedized
Manufacturer:	EMDOOR
Operating System:	**Windows 11 PRO (license)**
Display:	10.1" (1920x1200) IPS 16:10
Brightness:	~700 nits
Processor:	Intel Core i5-1235U (12. gen)
Memory:	16GB
Hard Drive:	**512GB**
Flash Memory:	---
Touch screen:	Capacitive | 10 point touch
Durability:	IP65
Drop:	1.22m
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G
Temperature:	Operating temperature: -20°C -- 60°CStorage temperature: -30°C -- 70°C

Humidity:	0% -- 95%
1D barcode scanner (reader):	---
2D barcode scanner (reader):	Honeywell N3680 (optional) If the tablet has a scanner, then there is no RJ-45, USB2.0 and RS232 port. Ports are only built into devices without a scanner.
RFID scanner (reader):	**NFC 13,56MHz**
Other:	-----
Battery:	7.4V/860mAh+7.4V/5000mAh
Working time on battery:	8h
Fast battery replacement ability:	Yes
HotSwap battery:	Nie
LAN:	optional
WLAN:	IEEE 802.11 a/b/g/n/ac (Dual band)
Bluetooth:	Bluetooth 5.1
WAN:	MeiG 750 LTE FDD: B1/B3/B7/B8/B20/ B28A WCDMA: B1/B8 GSM: B3/B8
GPS:	Yes
Camera:	Rear: 8Mpx, FlashFront: 2Mpx
In/Out:	HDMI 2.1a mini | RJ45* (optional) | USB Type C | USB 3.1 Type-A **USB2.0** | RS232* (optional) 2D barcode scanner * (optional) The RJ45 connector cannot be together with RS232, USB2.0 and 2D barcode scanner. We decide to choose 1 of 4.
Optional accessories:	Holder / shoulder strap, wrist strap, car holder
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	optional
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Intel Iris Xe Graphics

Chipset:	Alder Lake-U
BIOS:	-----
Casing material:	ABS/PC
Flash Card Reader:	TF card (max. 128GB)
CD/DVD:	-----
Audio:	Built-in microphone and speaker
Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	Black
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	No
Security:	IP65, MIL-STD-810G
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	290 x 196 x 27mm
Fanless casing:	Yes
Weight:	1230g

6 592,85 zł

net price: 5 360,04 zł

Emdoor I10A

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

Emdoor I10A is a modern, waterproof industrial tablet designed for use in extreme conditions. It has a specially designed, reinforced structure that meets the requirements of the IP65 and MIL-STD-810G standards, which confirm the device's resistance to dust, water and falls.

SPECIFICATION

Emdoor I10A

Processor	Intel Core i5-1235U
Graphics	Intel Iris Xe Graphics
Operating system	Windows 11 Home * (optional) Windows 11 PRO Windows 11 IOT Enterprise * (optional)
RAM	16GB DDR4L
SSD	128GB * (optional) 256GB * (optional) 512GB
Display	10.1" 1920×1200, 700 nits brightness, 16:10
Touch screen	Capacitive (10-point, G+G)
Battery	7.4V/860mAh+7.4V/5000mAh
Camera	2Mpx Front (USB) | 8Mpx Rear (USB) + Flash
Protection	IP65
Communication	4G LTE | Bluetooth | Wi-Fi | GPS | NFC
Connectors	HDMI 2.1a mini | RJ45 * (optional) | USB type C | USB 3.1 Type-A USB2.0 | RS232 * (optional) 2D barcode scanner * (optional) USB2.0 cannot be together with RS232, RJ45 and 2D barcode scanner. We decide to choose 1 of 4.
Memory card	microSD/TF (max 128GB)
SIM card	SIM
Sensor	Gravity sensor

Scanner 2D	Honeywell N3680 * (optional)

* Optional equipment, available on specific versions only.

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

The dustproof industrial tablet uses an efficient and energy-saving Intel Core i5-1235U processor (12th generation, Alder Lake). This unit uses hybrid technology with Performance and Efficient cores, ensuring high performance at low energy consumption. Advanced cache memory management and dynamic allocation of resources to individual cores increase data processing efficiency and shorten the device's response time. The tablet is ideal for technical and service applications, and the modern CPU architecture allows work in demanding field conditions, while maintaining a long battery life.

Ergonomic design

The Emdoor I10A waterproof tablet is built for durability and comfort. The slim and durable casing and stylish design make the tablet perfect for industrial and field use. The compact size has been carefully thought out to make the rugged tablet handy and ergonomic. The non-slip surface makes

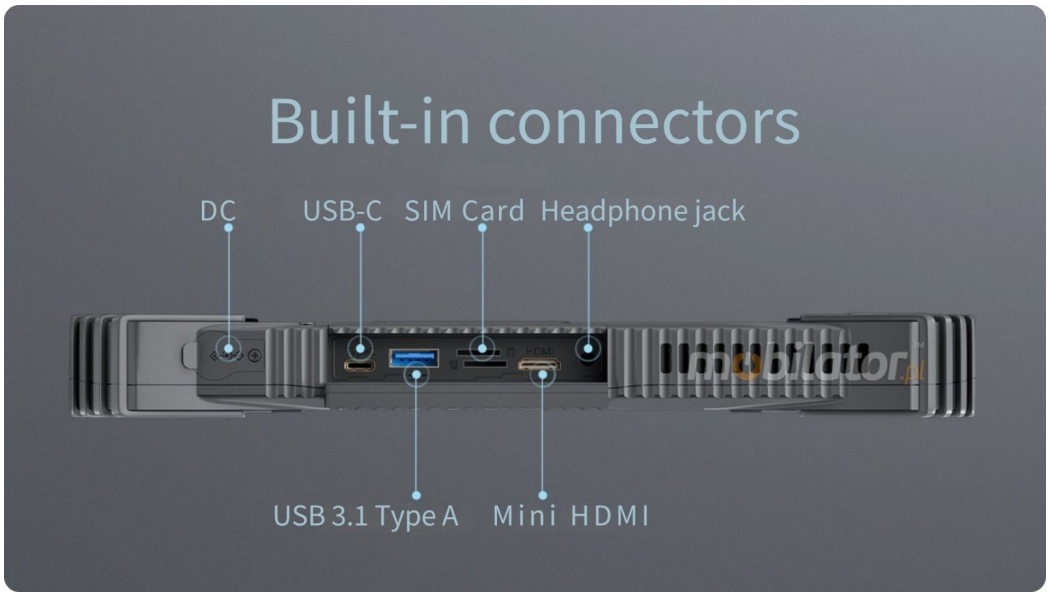
this durable tablet feel secure in your hand, while reinforced corners increase resistance to drops and impacts, protecting the device from damage.

Dimensions	290mm x 196mm x 27mm
Net weight	1140g

Capacitive screen

In the capacitive screen of the resistant EMDOOR I10A tablet, the device's reaction is not based on direct pressure on the surface, but on detecting changes in the electrostatic field at the point of touch. This solution allows for exceptionally precise and delicate operation even with a light touch. Additionally, the multitouch technology used allows for the simultaneous use of multiple touch points, which increases the comfort of work and allows for intuitive operation of the shock-resistant tablet with several fingers at the same time - even when wearing work gloves.

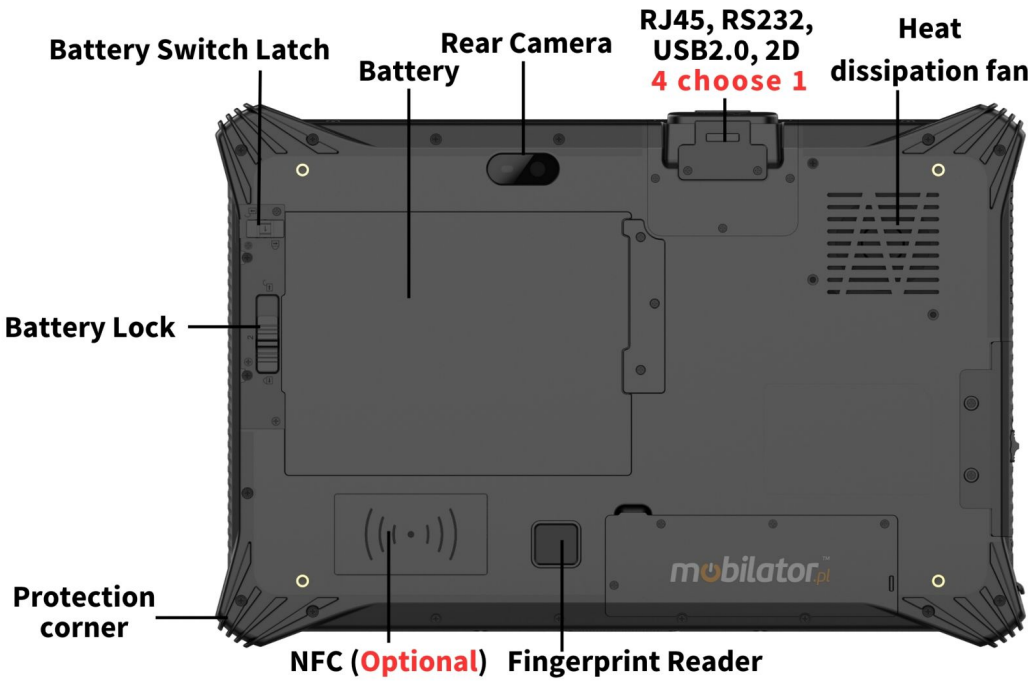
Connectors and buttons


Built-in connectors
DC
USB-C
SIM Card
Headphone jack
USB 3.1 Type A
Mini HDMI

USB 2.0 Type-A
RJ45
RS232
2D
mobilator.pl
Replaceable
connectors

The Emdoor I10A drop-proof tablet offers a set of the most important ports and connectors necessary for field and industrial work. Thanks to its modular design, the device can be expanded with additional functions, such as RS232, USB 2.0 Type-A or a 2D barcode scanner, adapting to the needs of a specific industry.

The dustproof Emdoor I10A is equipped with a touch panel with Corning Gorilla glass, a set of physical buttons (volume, Home, scan, power) and a modular expansion slot (RJ45 / RS232 / USB / 2D). The back of this functional tablet is protected by a reinforced casing, a battery lock and optional modules: NFC and a fingerprint reader.



The POGOPIN connector allows you to quickly connect a military tablet to the docking station.

DATA COLLECTING

Barcode scanner (optional)
*

The barcode reader installed in the warehouse tablet allows you to read, decode and send data stored in the barcode to the computer. Thanks to its dynamic scanning capabilities and wide reading range, the mobile industrial tablet accurately collects data, which helps increase work speed and efficiency. The whole thing can be launched quickly, because thanks to the simplified installation procedure and intuitive, convenient design, preparing the scanner for work is very easy. The versions integrated with the scanner use the Honeywell 3680 module and can be configured with RJ45 or RS232 ports depending on the application needs.

2D Scanner	Honeywell N3680 *

* Optional equipment, available on specific versions only.

RESISTANCE

IP65 Protection

The IP65 standard, which this special-purpose tablet meets, determines the degree of protection provided by the device's housing against factors such as: access to hazardous parts inside the housing, ingress of solid foreign bodies, and splashes or jets of water from any direction. The Emdoor I10A industrial tablet, thanks to its compliance with the IP65 standard, will work well both inside industrial halls and outside - regardless of weather conditions.

IP6X	Protection against access to hazardous parts with wire. Dustproof protection.
IPX5	Protection against water jets (12.5 l / min) poured on the housing from any side

MIL-STD 810 Standard

MIL-STD-810 is a military standard for resistance, used by the US Army, among others, which determines the resistance of equipment to harsh environmental conditions. The specialized Emdoor I10A tablet meets this standard, which

means it is resistant to shock, drops, vibrations, high and low temperatures, moisture and dust. Although this standard was originally developed for military equipment, it is successfully used today in industry, logistics and mobile service and automation systems.

1.22m drop resistance

The specially designed, reinforced structure of the Emdoor I10A logistics tablet provides resistance to accidental drops from a height of up to 1.22 meters in working mode - even on hard surfaces. The device meets the rigorous requirements of the MIL-STD-810G standard, which confirms its durability in industrial and field environments.

Extreme temperatures

Designed for field work, the Emdoor I10A tablet is designed for continuous operation in both very low and high temperatures ranging from -20°C to 60°C. When the device is stored switched off, it can handle temperatures ranging from -30°C to 70°C. Additionally, the durable industrial tablet works great in rooms with increased humidity, ensuring proper operation even at 95%

relative humidity.

Working Temp.	-20°C to 60°C
Storage Temp.	-30°C to 70°C
Humidity	0% to 95%

WIRELESS COMMUNICATION

GPS Navigation

The Emdoor I10A waterproof industrial tablet is equipped with a precise U-Blox M7N GPS module, which combines low power consumption with high location accuracy. Navigation works quickly and stably, enabling effective positioning in the field and safe navigation even in difficult industrial and outdoor conditions.

Bluetooth 5.1

The modern Bluetooth 5.1 module enables energy-efficient short-range communication with other devices such as printers, keyboards, RFID readers, scanners or headphones. This technology offers higher connection stability and speed compared to earlier versions, while reducing energy consumption.

Wi-Fi network

The professional Emdoor I10A tablet supports dual-band Wi-Fi 802.11

a/b/g/n/ac, operating in the 2.4GHz and 5.8GHz ranges. This allows for quick access to local networks and the Internet both in the office and in the field, ensuring high stability and data transmission capacity.

Standards	802.11(a/b/g/n/ac)
Frequencies	2.4GHz/5.8GHz (Dual-Band)

NFC

NFC (Near Field Communication) technology is a short-range wireless communication standard that enables data exchange over a distance of a few centimeters. Tablet for wholesalers - Emdoor I10A can be optionally equipped with a 13.56 MHz NFC module, compliant with ISO / IEC 14443A/B and ISO15693 standards. NFC will work in applications such as: access control, employee authorization, logistics or payment acceptance. The modern industrial tablet enables tag reading and cooperation with smart card systems with a range of up to 2-4 cm.

APPLICATION

Trade and Services

Thanks to its multifunctionality and simple operation, the drop-proof Emdoor I10A tablet is an ideal tool for sales and field representatives. Modern mobile applications enable quick data collection, verification of contractors, presentation of offers and generation of sales documents. The tablet for the warehouse allows for issuing invoices, creating orders and synchronizing data with the ERP system in real time - regardless of location, thanks to access to the GSM or Wi-Fi network.

Industry and Construction

Industrial tablets adapted to harsh working conditions, such as the Emdoor I10A, are characterized by exceptional resistance to unfavorable working conditions. The dust- and waterproof housing confirmed by the IP65 certificate, as well as compliance with the MIL-STD-810G standard, allow for safe use of the solid tablet in places with increased humidity, dustiness, on construction sites and in industrial halls. Thanks to appropriate mobile applications, the waterproof tablet can act as a tool for supervising work,

collecting data from the construction site and managing technical infrastructure and human resources.

Service and Diagnostics

The efficient Emdoor I10A industrial tablet is perfect for car services and workshops. Thanks to its durable construction, resistance to workshop conditions and support for 4G LTE, Wi-Fi and GPS connectivity, this device is ideal for work in a difficult environment. The reinforced tablet supports technicians in quick vehicle diagnostics, analysis of data from on-board systems and work with service documentation. Possibility to install software that allows, among others, reading errors, configuring vehicle systems, accessing diagrams and repair history, increasing the efficiency and precision of operations.

ACCESSORIES AND AVAILABLE VERSIONS

We offer a range of additional accessories for this innovative tablet to further enhance its functionality and comfort of use. Below is a list of available accessories. Click on the accessory name or the "Check" link to be taken to a page with a description and price of the accessory.

Wrist strap

The wrist rest increases the comfort and confidence in holding the tablet during long periods of work.

Check

Extra battery

Additional 5000mAh battery allows you to quickly replace a discharged battery.

Check

Car holder

The EMDOOR EM-VHM10U car holder allows you to safely mount your EM-10A tablet in your vehicle.

Check

Car charger

Allows you to charge your device in your car using the built-in cigarette lighter socket.

Check

Stylus

The Emdoor I10A tablet stylus is a practical accessory for precise touch screen operation.

Check

Docking station

The docking station allows you to quickly and safely charge and sync your device.

Check

Standard Adaptor

The EMDOOR mains charger is a reliable adapter with a European plug.

Check

Shoulder strap

The Emdoor I10A tablet shoulder strap increases the comfort of everyday use of the device in the field.

Check

The professional Emdoor I10A armored tablet is available in several versions tailored to different needs. By clicking on the hardware configuration number you will be redirected to the product with the parameters given in the table below. In addition, at the customer's request, it is possible to create a configuration currently unavailable in the offer.

	v.1	v.2	v.3	v.4	v.5	v.6
256GB	—			—	—	—
512GB	—	—	—			
NFC	—	—	—			
USB 2.0	—	—	—	—	—	—
RS232	—	—	—	—	—	—
2D	—	—	—	—	—	
WIN 11 PRO	—		—		—	
WIN 11 IoT	—	—		—		—

	v.7	v.8	v.9	v.10	v.11

256GB	—	—	—	—	—	
512GB						
NFC						
USB 2.0	—			—	—	
RS232	—	—	—			
2D		—	—	—	—	
WIN 11 PRO	—		—		—	
WIN 11 IoT		—		—		

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