

EMDOOR V10T v.1 - Rugged industrial tablet with a 10-inch 1000-nit screen, 4G and GPS, Android 12, IP65, MIL-STD-810G, detachable M12 connectors - Perfect for service and field work

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	EMDOOR
<b>Operating System:</b>	Android 12
<b>Display:</b>	10.1"
<b>Brightness:</b>	700 nits
<b>Processor:</b>	MediaTek Helio G99 (MT6789), Octa-core 2.2GHz
<b>Memory:</b>	4GB
<b>Hard Drive:</b>	64GB UFS
<b>Flash Memory:</b>	---
<b>Touch screen:</b>	Capacitive   5 - point touch
<b>Durability:</b>	IP65
<b>Drop:</b>	1,22 m
<b>Shock:</b>	---
<b>Vibration:</b>	---
<b>Temperature:</b>	Temp. Operating -20 TO 60Temp. Storage -30 TO 70
<b>Humidity:</b>	0%-95%
<b>1D barcode scanner (reader):</b>	---

<b>2D barcode scanner (reader):</b>	---
<b>RFID scanner (reader):</b>	NFC 13,56MHz (optional)
<b>Other:</b>	-----
<b>Battery:</b>	---
<b>Working time on battery:</b>	---
<b>Fast battery replacement ability:</b>	No
<b>HotSwap battery:</b>	No
<b>LAN:</b>	No
<b>WLAN:</b>	802.11 a/b/g/n/ac (2.4G/5.0G)
<b>Bluetooth:</b>	Bluetooth 5.2
<b>WAN:</b>	4G LTE
<b>GPS:</b>	GPS   GLONASS   Beidou
<b>Camera:</b>	---
<b>In/Out:</b>	USB 3.0 Type-A x 1, SIM Card x 1, Power DC Jack
<b>Optional accessories:</b>	car holder, mains charger, car charger, wide voltage module, additional battery, cable with RJ45 tip, cable with RS232x2 tip, cable with RS232 + RS485 tip, cable with USBx2 + CAN tip, cable with USBx3 tip, car antenna
<b>Docking station connector:</b>	No
<b>VESA standard – holders and mounts support:</b>	No
<b>COM port:</b>	No
<b>Magnetic card reader (MSR):</b>	No
<b>Microchip card reader:</b>	No
<b>Contrast:</b>	-----
<b>Graphics card:</b>	ARM Mali-G57 MC2
<b>Chipset:</b>	MediaTek MT6789
<b>BIOS:</b>	-----
<b>Casing material:</b>	ABS/PC
<b>Flash Card Reader:</b>	---

<b>CD/DVD:</b>	-----
<b>Audio:</b>	Built-in speaker
<b>Keyboard:</b>	Onscreen
<b>Additional Navigation Devices :</b>	-----
<b>Color:</b>	Black
<b>Swivel Hinge:</b>	No
<b>VGA out:</b>	No
<b>TV Out:</b>	No
<b>TV Tuner:</b>	No
<b>Security:</b>	IP65
<b>Waterproof:</b>	IPX5
<b>Sand and dust:</b>	IP6X
<b>Size:</b>	264.5 x 184.1 x 23mm
<b>Fanless casing:</b>	Yes
<b>Weight:</b>	824g

**2 098,69 zł**

net price: 1 706,25 zł

# EMDOOR V10T



**SPECIFICATION**

**RESISTANCE**

**DATA COLLECTING**

**WIRELESS COMMUNICATION**

**APPLICATION**

## ACCESSORIES AND AVAILABLE VERSIONS

The Emdoor V10T industrial tablet is an advanced solution designed for operation in the most demanding environmental conditions. The device features a specially reinforced casing that meets the stringent IP65 standard, ensuring complete protection against dust ingress and high resistance to water and accidental drops. This durable design ensures full operational efficiency in challenging environments, providing a reliable tool for professionals working in sectors requiring maximum physical protection while maintaining high performance.

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## SPECIFICATION

Emdoor V10T	
Processor	MediaTek Helio G99 (MT6789), Octa-core 2.2GHz
Operating system	Android 12
RAM	4GB
ROM	64GB
Communication	Bluetooth 5.2   Wi-Fi   GPS   4G LTE NFC* (optional)

## Emdoor V10T

Display	10.1" 1280×800, 1000 nits brightness, 16:10
Touch screen	Capacitive (5-point)
Protection	IP65
SIM card	1 x micro SIM
Graphics card	ARM Mali-G57 MC2
Permanent connections	USB 3.0 Type-A   Power DC Jack



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

The key element of the efficient Emdoor V10T is the powerful and energy-efficient MediaTek Helio G99 processor clocked at 2.2 GHz, ensuring smooth and stable operation with demanding software. The modern architecture of the robust Emdoor V10T has been optimized for technical and field applications, guaranteeing fast data access in all conditions.

Ergonomic design



The rugged Emdoor V10T is an advanced tool designed for maximum durability and ease of use in the most demanding environments. The slim yet durable housing of the professional Emdoor V10T combines a modern look with excellent resistance to external damage, making it ideal for industrial and field work.

<b>Dimensions</b>	264.5mm x 184.1mm x 23mm
<b>Net weight</b>	824g

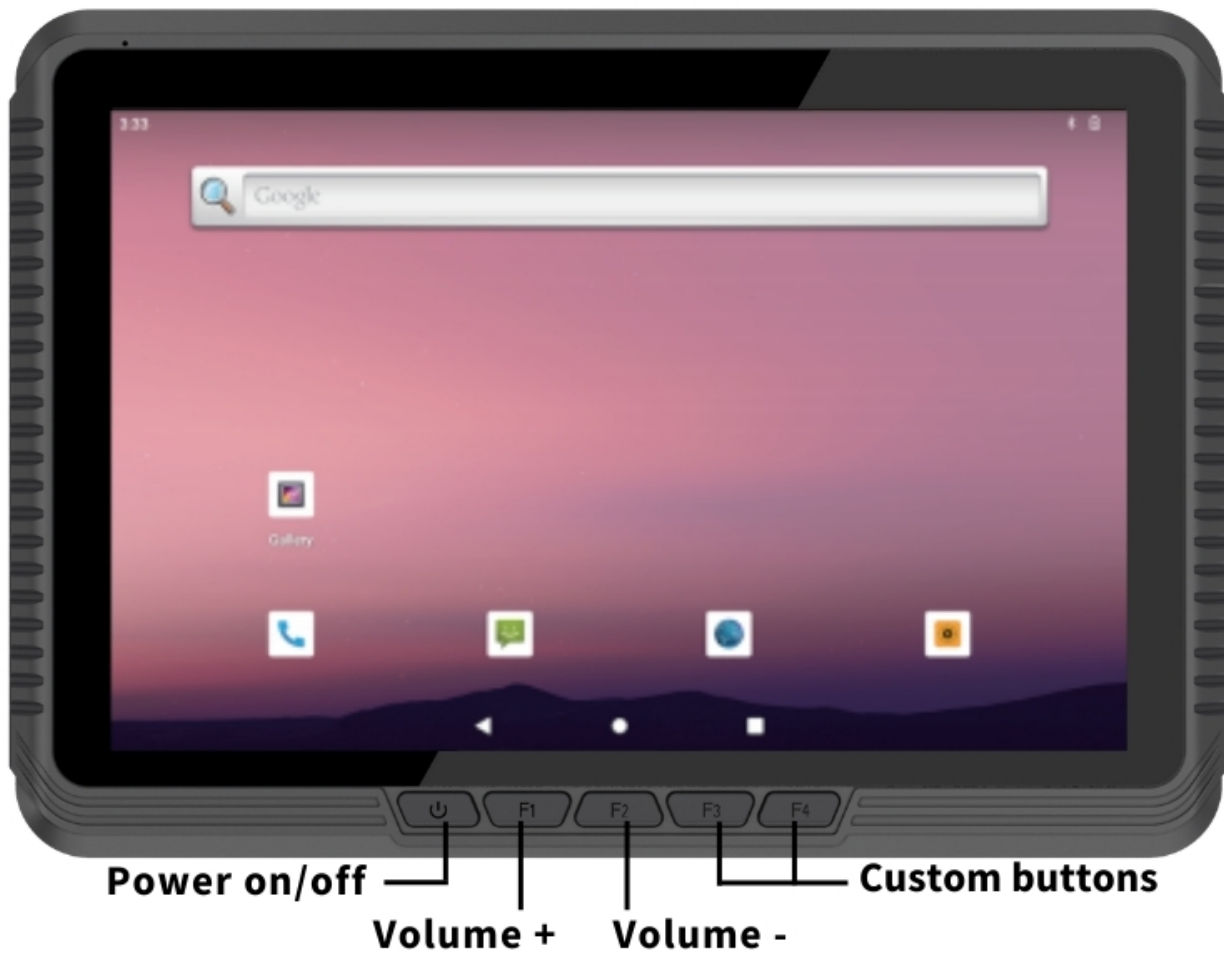
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## Capacitive screen

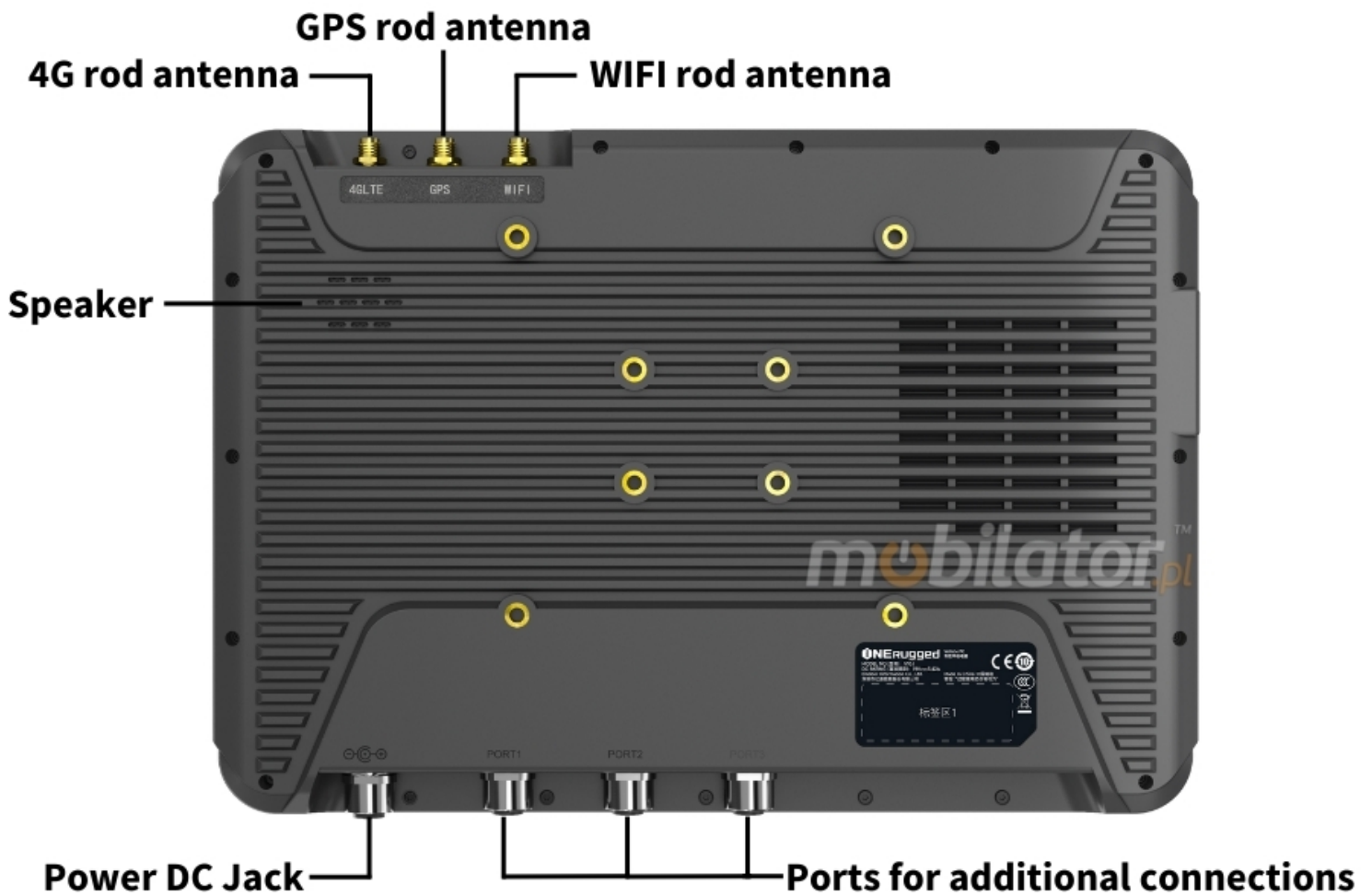


The device's capacitive touchscreen detects changes in the electrostatic field, allowing for operation without the need to press firmly on the screen. Thanks to this technology, the functional Emdoor V10T offers exceptional precision and smooth operation, responding instantly to every touch of the glass screen surface. The modern Emdoor V10T features a multitouch system that recognizes multiple touch points simultaneously. This, combined with its high sensitivity, ensures convenient program control even when wearing protective gloves.

## Connectors and buttons



The rugged Emdoor V10T is equipped with a full set of physical control buttons that provide instant access to the device's most important functions in demanding work environments. In addition to the classic volume control and power switch, the robust Emdoor V10T features two additional function buttons on the housing, allowing the user to configure it according to their individual preferences.



The sealed Emdoor V10T allows for the installation of GPS antennas and Wi-Fi and 4G connectivity modules to ensure continuous communication in the field. This versatile Emdoor V10T features a built-in DC jack power socket and dedicated expansion ports for connecting additional interfaces such as RS232 or USB, as well as RS485 and RJ45, available as dedicated accessories. This extensive range of features allows users to customize the device to meet the specific technical requirements of a given industry.

## DATA COLLECTING

NFC\* (optional)

NFC 13.56MHz



The NFC module built into the Emdoor V10T communication device operates at a frequency of 13.56 MHz and complies with ISO/IEC 14443A/B and 15693 standards, constituting an essential element of proximity information exchange systems. This modern technology enables instant communication with tags and cards at a distance of up to 4 cm, which is commonly used for employee authorization verification and warehouse operations.



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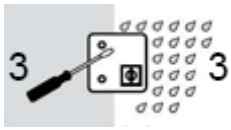





RESISTANCE

IP65



This waterproof Emdoor V10T model was designed with the most demanding users in mind, meeting rigorous durability standards confirmed by the IP65 standard. This technical specification ensures complete protection of internal components from dust and effective protection against powerful water jets hitting the housing from any direction. Its robust construction makes this device an ideal choice for military units and personnel working in dusty warehouses or during complex field operations exposed to adverse weather conditions.

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

## Fall to 1.22 m

The innovative Emdoor V10T features a highly durable design, confirmed by demanding tests that tested its resistance to falls from heights exceeding one meter. A specially reinforced casing ensures the safety of all internal components, even if they hit a hard surface. This design allows for comfortable and confident use in intensive work environments without the risk of malfunctions caused by accidental slippage during everyday tasks.

## Extreme temperatures

Reliable in all conditions, the Emdoor V10T offers users unprecedented operational stability in the most extreme environments, offering smooth operation across a wide temperature range from -20°C to 60°C. This equipment demonstrates even greater durability during standby, as it can be safely stored at temperatures up to 70°C. The entire design has been precisely optimized for operation in environments with very high humidity, up to 95%, allowing the systems to maintain full performance in challenging and vapor-saturated spaces.

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

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## WIRELESS COMMUNICATION

### GPS Navigation

The modern Emdoor V10T is equipped with an integrated, highly accurate localization module, designed to consume minimal energy while maintaining the

highest possible positioning precision. The navigation system used in this device is characterized by lightning-fast operation and stable signal reception, enabling error-free coordinate determination in complex terrain and efficient navigation to the designated destination, even in very challenging outdoor conditions.

## Bluetooth 5.2

The efficient Emdoor V10T uses a modern Bluetooth 5.2 module, which guarantees the highest quality wireless data exchange while maintaining low battery power consumption. This connectivity standard allows for exceptionally stable and reliable connections with a variety of technical accessories, such as barcode readers and payment terminals, directly translating into greater efficiency and smoother execution of all logistics and service procedures in daily work.

## Wi-Fi network

The versatile Emdoor V10T offers users lightning-fast connectivity to online resources through a dual-band wireless module supporting advanced data transfer standards. Operating in the 2.4GHz and 5.0GHz frequency ranges ensures very high throughput and consistent connection stability, essential for efficient large file transfers and the daily operation of complex cloud-based systems.

<b>Standards</b>	802.11(a/b/g/n/ac)
<b>Frequencies</b>	2.4GHz/5.8GHz

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## APPLICATION

### Trade and Service

The mobile Emdoor V10T provides comprehensive support for field staff and salespeople, combining a wide range of functions with a very simple and accessible user interface. Leveraging the potential of modern software on this device enables immediate information collection and customer data verification while maintaining high standards of product presentation and rapid preparation of commercial documents. This equipment also provides excellent support for logistics operations in warehouses, allowing for the issuance of necessary invoices and the generation of new orders with the ability to continuously update inventory in the master system, seamlessly from any location thanks to stable cellular connectivity modules and wireless local area networks.



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## Industry and Construction

The robust Emdoor V10T was designed specifically for intensive use in extremely harsh environments, where the highest level of resistance to external factors is paramount. The housing, which meets stringent IP65 tightness standards, ensures complete resistance to dust and moisture ingress, ensuring stable and trouble-free operation on construction sites, industrial facilities, and in all other locations with demanding environmental conditions.



## Service and diagnostics

The powerful Emdoor V10T diagnostic tablet is a key piece of equipment for modern service centers and mechanical workshops, where its durable construction and resistance to specific contaminants guarantee long service life. The design has been fully adapted to the demanding technical environment, and integrated wireless communication and positioning systems enable seamless handling of network data during routine vehicle inspections. This device dramatically accelerates fault detection and verification of electronic systems, enabling the use of professional error analysis applications and quick access to technical documentation and archived service records, resulting in significantly

higher quality and accuracy of repairs.



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## ACCESSORIES AND AVAILABLE VERSIONS

The practical Emdoor V10T offers a wide range of optional accessories that significantly improve the comfort of everyday use and facilitate the performance of duties in specific professional environments. All available extensions are presented in a detailed table, where individual product names and associated links lead directly to a section containing full technical specifications and up-to-date information on the purchase costs of each accessory.

## Car charger



The Emdoor V10T professional car adapter for the tablet supports a wide input voltage range from 8.4V to 30V.

[Check](#)

## Additional power adapter



A compatible AC power adapter enables fast and safe charging.

Check

Wide voltage module



The industrial stabilizing module effectively eliminates the risk of tablet damage caused by voltage spikes and ensures its uninterrupted operation, even during engine start-up in heavy machinery or vehicles.

Check

Vesa mounting bracket



A dedicated VESA mounting bracket for the Emdeco v1000 allows for secure and stable installation of the device on monitor arms, stands, and professional car mounts.

### Additional battery



Additional battery 2000mAh.

[Check](#)

## Puck-type GPS antenna



This external puck-type GPS antenna with a long cable is designed for the Emdoor V10T tablet to achieve maximum positioning precision.

[Check](#)

## WiFi antenna



A dedicated dual-band WiFi antenna, supporting 2.4 GHz and 5 GHz frequencies, ensures fast and stable wireless connectivity.

[Check](#)

## GPS antenna



A professional external antenna, providing fast and precise satellite positioning in the most challenging terrain.

[Check](#)

### Functional adapter cable (3x USB 2.0)



A specialized expansion adapter for the Enduro V10T tablet, offering three additional USB 2.0 ports for connecting external accessories simultaneously.

[Check](#)

### Functional adapter cable (2x RS232)



A dedicated expansion cable for the Emdo... tablet, equipped with two independent RS232.

Functional adapter cable (2x USB 2.0 + CAN)



This industrial expansion cable for the Emdoor V10T features two USB ports and a CAN (Controller Area Network) bus connector.

Check

Functional adapter cable (RS232 + RS485)



A specialized communication cable for the Emdoor V10T tablet, equipped with industrial RS232 and RS485 serial ports.

[Check](#)

8-pin power supply cable



A specialized 8-pin power and signal cable for the Emdoor V107 tablet, terminated with flying leads for DIY installation.

[Check](#)

12-pin power supply cable



12-pin power and signal cable for the Emdoor V10T tablet, terminated with flying leads for DIY installation.

Check

Functional adapter cable (RJ-45 LAN)



A dedicated functional adapter for the Emdoor V10T tablet, enabling a stable connection to a wired network via the RJ45 port.

Check

## 4G antenna



A dedicated external 4G antenna for the Emdoor V10T 4G tablet, designed to significantly boost cellular signal strength and stabilize internet connections outdoors.

Check

The versatile Emdoor V10T is available in a variety of versions, allowing for the flexible adaptation of this rugged device to specific professional requirements and job specifications. The use of interactive configuration numbers in the product description allows for immediate access to detailed technical parameters in a clear table. Furthermore, if specific needs arise, a dedicated hardware variant, not currently included in the standard catalog of available solutions, can be custom-tailored.

	v.1	v.2
NFC	—	+



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