EMDOOR V10J v.11 - Professional 10-inch rugged tablet with Windows 11 PRO, 700 nits, 8GB RAM, 128GB SSD, GPS, NFC, LTE, IP65, M12 connectors - reliable equipment for field work

Category:	UMPC - Ruggedized
Manufacturer:	EMDOOR
Operating System:	**Windows 11 PRO**
Display:	10.1"
Brightness:	700 nits
Processor:	Intel Jasper Lake processor N5100
Memory:	**8GB**
Hard Drive:	**128GB eMMC**
Flash Memory:	---
Touch screen:	Capacitive	5 - point touch
Durability:	IP65
Drop:	1,22 m
Shock:	---
Vibration:	---
Temperature:	Temp. Operating -20 TO 60Temp. Storage -30 TO 70
Humidity:	0%-95%
1D barcode scanner (reader):	---

2D barcode scanner (reader):	---
RFID scanner (reader):	**NFC 13,56MHz**
Other:	-----
Battery:	---
Working time on battery:	---
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	802.11 a/b/g/n/ac (2.4G/5.8G)
Bluetooth:	Bluetooth 5.0
WAN:	**4G LTE**
GPS:	GPS | GLONASS | Beidou
Camera:	---
In/Out:	USB 3.0 Type-A x 1, SIM Card x 1, Power DC Jack
Optional accessories:	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
Docking station connector:	No
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Intel HD Graphics Gen 11 LP
Chipset:	N5100
BIOS:	-----
Casing material:	ABS/PC
Flash Card Reader:	---

CD/DVD:	-----
Audio:	Built-in speaker
Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP65
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	264.5 x 184.1 x 23mm
Fanless casing:	Yes
Weight:	834g

3 159,56 zł
net price: 2 568,75 zł

EMDOOR V10J

SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

The modern Emdoor V10J industrial tablet is an advanced tool designed for reliable operation in the most extreme work environments. Its specially reinforced design, fully compliant with the stringent IP65 standard, guarantees complete dustproofing and high resistance to water and accidental drops. This design makes it an ideal choice for sectors requiring equipment with the highest level of physical protection while maintaining full functionality in challenging environments.

SPECIFICATION

Emdoor V10J	
Processor	Intel Jasper Lake N5100
Operating system	Windows 11 PRO (license)
RAM	8GB
ROM	128GB
Communication	Bluetooth 5.0	Wi-Fi	GPS	4G LTE	NFC
Display	10.1" 1280×800, 700 nits brightness, 16:10

Emdoor V10J

Touch screen	Capacitive (5-point)
Protection	IP65
SIM card	1 x Nano SIM
Graphics card	Intel HD Graphics Gen 11 LP
Permanent connections	USB 3.0 Type-A | Power DC Jack

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

The heart of the Emdoor V10J tablet is the powerful and energy-efficient Intel Jasper Lake N5100 processor, which guarantees smooth and stable operation even when running the most demanding software. Its modern architecture is optimized for efficient handling of technical, service, and field applications, ensuring fast data access in all conditions.

Ergonomic design

The Emdoor V10J tablet for uniformed services is an advanced device designed for uncompromising durability and comfort of use in the harshest conditions. Its slim, yet rugged casing combines modern aesthetics with high resistance to external factors, making it an ideal tool for work in industrial and field environments.

Dimensions	264.5mm x 184.1mm x 23mm
Net weight	834g

Glass
ITO

Spacers   Spacers   Airgap

ITO
Glass

The capacitive screen used in the Emdoor V10J industrial tablet relies on detecting changes in the electrostatic field, eliminating the need to apply force to the screen. This solution makes operation of the device incredibly precise and smooth, responding instantly to even the slightest touches. The functionality of the shock-resistant screen is enhanced by multitouch technology, which allows for simultaneous recognition of multiple touch points. This, combined with appropriate sensitivity, enables effortless and intuitive application management, even when wearing gloves.

Connectors and buttons

The extremely durable Emdoor V10J tablet features a set of physical control buttons that guarantee instant access to key device functions even in the harshest operating conditions. In addition to the standard volume controls and power button, the case is equipped with two additional programmable buttons that users can configure to suit their needs.

4G rod antenna — GPS rod antenna — WIFI rod antenna

Speaker

Power DC Jack — Ports for additional connections
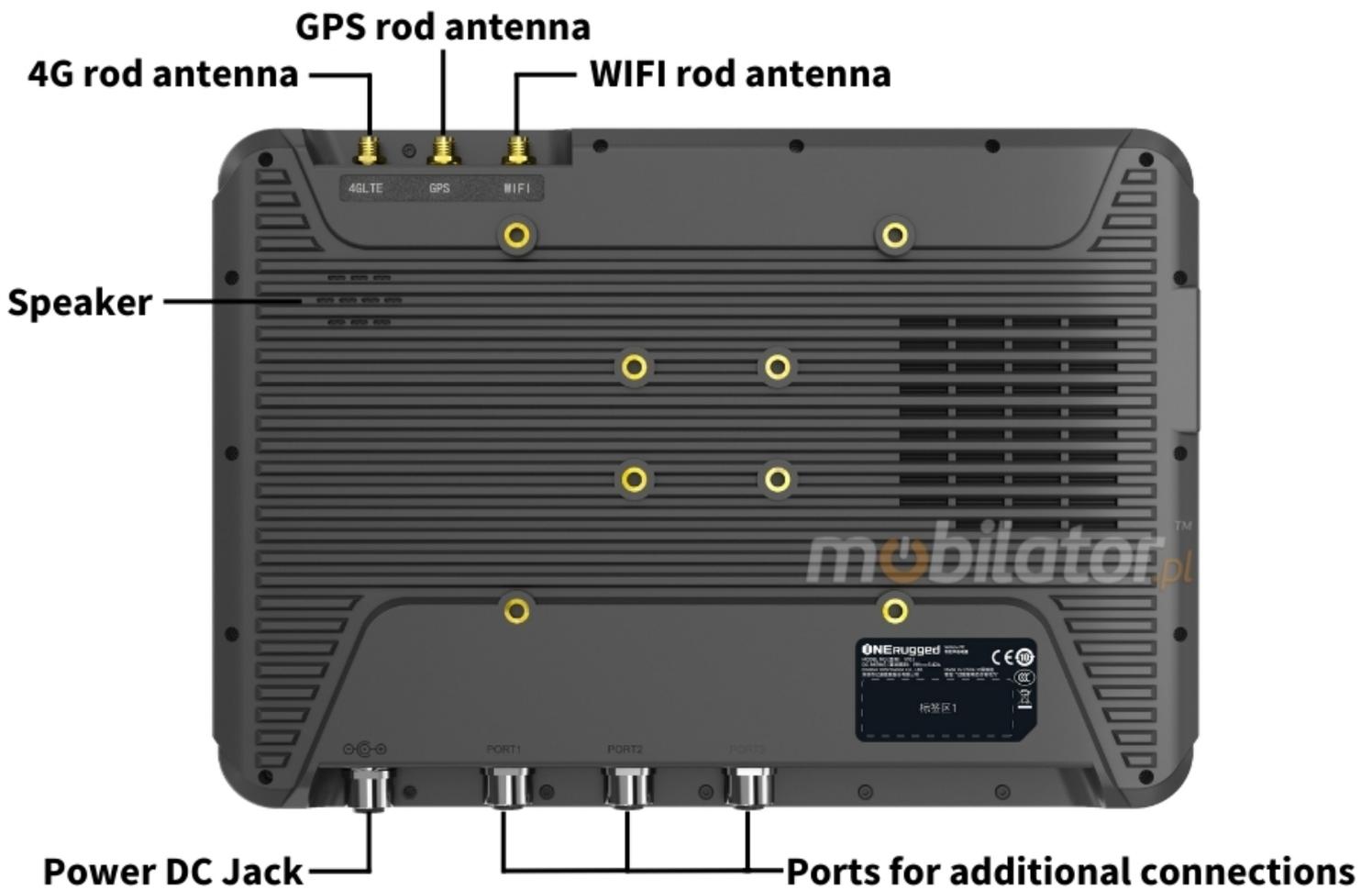
The splash-proof Emdoor V10J tablet offers built-in GPS, Wi-Fi, and 4G antennas. Additionally, this ergonomic tablet features a DC power jack and ports for additional connectors (RS232, USB, RS485, and RJ45), which are available for purchase as accessories.

DATA COLLECTING

NFC

The 13.56 MHz NFC module used in the ergonomic Emdoor V10J tablet is a key element in modern short-range wireless data exchange systems. This technology enables instant communication with tags and smart cards within a range of up to 4 cm, which is widely used in access control, personnel authorization, and logistics processes.
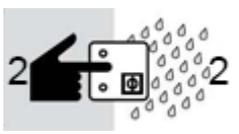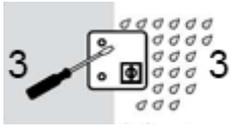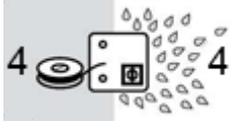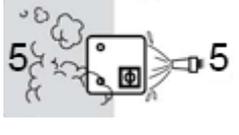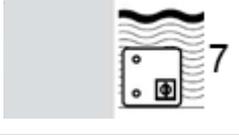
RESISTANCE

IP65

The rugged Emdoor V10J tablet for special missions meets the stringent requirements of the IP65 standard, which defines a high degree of protection for the device's interior from external factors. This certification guarantees complete resistance to dust and solid object ingress, and also protects the device against water jets coming from any direction. Thanks to this robust protective barrier, this tablet is a reliable work tool for the military, performing perfectly in both dusty industrial halls and demanding field operations conducted in harsh weather conditions.

Firts digit	Protection level		Second digit
No special protection	0	⊕ 0	No special protection

Firts digit	Protection level	Second digit
Protection from solid objects greater than 50mm in diameter		Protection from dripping water
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 Emdoor V10J logistics tablet has undergone rigorous durability testing, confirming its ability to operate flawlessly after being dropped from a height of up to 1.22 meters. A specially reinforced casing effectively protects internal components from impacts with hard surfaces, allowing for safe use in dynamic

operating environments without fear of damage if accidentally dropped.

Extreme temperatures

Designed for field use, the Emdoor V10J tablet boasts exceptional stability in extreme environmental conditions, allowing for continuous operation in temperatures ranging from -20°C to 60°C. The device demonstrates even greater storage tolerance, withstanding temperatures from -30°C to 70°C without compromising performance. This model's robust design has also been optimized for operation in environments with high water vapor saturation, ensuring full system functionality even at relative humidity levels of up to 95%.

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

WIRELESS COMMUNICATION

GPS Navigation

The waterproof Emdoor V10J tablet features an integrated, high-precision GPS

module, optimized for minimal power consumption while maintaining maximum positioning accuracy. The navigation system features a fast response time and a stable signal, allowing for accurate location determination in challenging terrain and efficient navigation to destinations in challenging outdoor conditions.

Bluetooth 5.0

The integrated Bluetooth 5.0 module in the Emdoor V10J rugged tablet offers excellent wireless performance, combining high data transfer speeds with energy savings. This standard ensures a reliable and stable connection to external scanners, payment terminals, and other technical devices, significantly streamlining logistics and service processes.

Wi-Fi network

The professional Emdoor V10J tablet provides instant access to network resources thanks to dual-band Wi-Fi support in the 802.11 a/b/g/n/ac standard. Operating in the 2.4GHz and 5.8GHz bands guarantees high throughput and stable data transmission, essential for transferring large files or using advanced cloud systems.

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

APPLICATION

Trade and Service

The Emdoor V10J work tablet is a versatile tool that supports the efficiency of sales representatives and field workers by combining multifunctionality with intuitive operation. Using modern mobile applications on this device allows for rapid data collection, customer verification, professional offer presentation, and efficient generation of sales documentation. The device is also ideal for warehouse processes, enabling invoice issuance and order creation with automatic real-time synchronization with the ERP system, which is possible anywhere thanks to stable GSM or Wi-Fi connectivity.

Industry and Construction

The Emdoor V10J construction tablets are designed for use in the most demanding environments, where above-average resistance to external factors is crucial. Thanks to their IP65-rated housing, the device remains completely resistant to dust and moisture, allowing for trouble-free use on construction sites, in industrial halls, and in locations with harsh environmental conditions.

The powerful Emdoor V10J diagnostic tablet is an indispensable tool in modern automotive services and workshops, where its durable construction and resistance to specific operating conditions guarantee reliability. The device is designed for the harsh workshop environment, and built-in Wi-Fi and GPS modules allow for the free use of network and location resources during everyday technical tasks. This tablet significantly streamlines the vehicle diagnostics process and on-board systems analysis, enabling the installation of advanced software for error reading, component configuration, and instant access to technical diagrams and a complete repair history, directly translating

into greater service accuracy.

ACCESSORIES AND AVAILABLE VERSIONS

The functionality of the modern Emdoor V10J tablet is supported by a wide selection of additional accessories that enhance user experience and facilitate task completion in specific work environments. A full list of available extensions is provided below, and each product name and dedicated link provide a direct link to a page with technical specifications and pricing.

Car charger

The Emdoor V10J professional car adapter for the tablet supports a wide input voltage range from 8.4V to 30V.

Check

Additional power adapter

A compatible additional 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 Emdoor VT-10 that allows for secure and stable installation of the device in monitor arms, wall mounts, or professional car mounts.

Check

Additional battery

Additional battery 1000mAh.

Check

Puck-type GPS antenna

This external puck-type GPS antenna with a long cable is designed for the Emdoor V10J 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 Emdoor V10 J 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 Emdoor 8.0 tablet, equipped with two independent RS232.

Check

Functional adapter cable (2x USB 2.0 + CAN)

This industrial expansion cable for the Emdoor V10J 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 V10J 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 V10J tablet, terminated with flying leads for DIY installation.

Check

12-pin power supply cable

12-pin power and signal cable for the Emdoor V10J tablet, terminated with flying leads for DIY installation.

Check

Functional adapter cable (RJ-45 LAN)

A dedicated functional adapter for the Emdoor V10J tablet, enabling a stable connection to a wired network via the RJ45 port.

Check

4G antenna

A dedicated external 4G antenna for the Emdoor V10J 4G tablet, designed to significantly boost cellular signal strength and stabilize internet connections outdoors.

Check

The Emdoor V10J's versatility makes this rugged tablet easily adaptable to a variety of professional tasks. Interactive configuration numbers next to the product allow for quick access to detailed technical specifications presented in the table below. Furthermore, upon request, a configuration not currently available can be created.

	v.1	v.2	v.3	v.4	v.5	v.6
Windows 11 PRO	—	—	—	—	+	—
Windows 11 IOT	—	—	—	—	—	+
NFC	—	+	—	+	+	+
4G	—	—	+	+	+	+
8+128GB	—	—	—	—	—	—
	v.7	v.8	v.9	v.10	v.11	v.12
Windows 11 PRO	—	—	—	—	+	—
Windows 11 IOT	—	—	—	—	—	+
NFC	—	+	—	+	+	+
4G	—	—	+	+	+	+
8+128GB	+	+	+	+	+	+