EMDOOR V80J v.1 - Rugged car tablet with Wi-Fi, GPS, BT 5.0 and Windows 11

WiFi **IP65** **GPS** **Bluetooth**

Category:	UMPC - Ruggedized
Manufacturer:	EMDOOR
Operating System:	Windows 11 PRO | Windows 11 IoT (optional)
Display:	8" (800x1200) IPS 16:10
Brightness:	~1000 nits
Processor:	Intel JASPER LAKE N5100
Memory:	4GB
Hard Drive:	64GB
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):	---
RFID scanner (reader):	NFC 13,56MHz (optional)
Other:	-----
Battery:	7.4V/1000mAh
Working time on battery:	2h
Fast battery replacement ability:	Yes
HotSwap battery:	No
LAN:	Opcja
WLAN:	IEEE 802.11 a/b/g/n/ac (Dual band)
Bluetooth:	Bluetooth 5.0
WAN:	MeiG 750 LTE FDD: B1/B3/B7/B8/B20/ B28A WCDMA: B1/B8 GSM: B3/B8
GPS:	Yes
Camera:	-----
In/Out:	USB 3.0 Type-A | SIM card slot* (optional | in devices with 4G function) | 3x USB 2.0*/ 2x USB 2.0 + CAN* (optional | you can only choose one of the two) | 2x RS232*/RS232+ RS485* (optional) | RJ-45 LAN* (optional) **Additional features require a
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Optional accessories:	Extra battery | Power supply | Cigarette lighter adapter | VESA | RAM | Wideband module | Setup cable | GPS antenna | Power supply cable
Docking station connector:	Yes
VESA standard – holders and mounts support:	75 * 75 mm | 30* 38 mm
COM port:	optional
Magnetic card reader (MSR):	No

Microchip card reader:	No
Contrast:	-----
Graphics card:	Intel® HD Graphics Gen 11 LP
Chipset:	Intel JASPER LAKE
BIOS:	-----
Casing material:	ABS/PC
Flash Card Reader:	-----
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:	218.1 x 154.5 x 23.0 mm
Fanless casing:	No
Weight:	631g

646,86 €
net price: 525,90 €

WiFi ® **IP65** **GPS** **Bluetooth**™
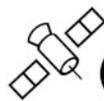
SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The Emdoor V80J is a modern automotive tablet designed for use in demanding road conditions. Fe

SPECIFICATION

Emdoor V80J

Processor	Intel JASPER LAKE N5100
Graphics	Intel® HD Graphics Gen 11 LP
Operating system	Windows 11 PRO Windows 11 IOT Enterprise *** (optional)**
RAM	4GB DDR3 8GB DDR3 *** (optional)**
SSD	64GB 128 *** (optional)**
Display	8" 800×1200, 1000 nits brightness, 16:10
Touch screen	Capacitive (10-point, G+G)
Battery	7.4V/1000mAh
Protection	IP65
Communication	4G LTE *** (optional)** | Bluetooth | Wi-Fi | GPS | NFC *** (optional)**

Connectors	USB 3.0 Typu-A
	SIM card slot *** (optional)** **(on devices with 4G function)**
	3x USB 2.0 [*] ***(optional)**/2x USB 2.0 + CAN [*] ***(optional)** **(you can only choose one of the two)**
	2x RS232 [*] *** (optional)**/RS232+ RS485 [*] ***(optional)**
	RJ-45 LAN [*] *** (optional)**
Memory card	microSD/TF (max 128GB)
Sensor	Gravity sensor

* Optional equipment, available on specific versions only.

*Additional features require accessories that will be added in individual versions

Cable (RJ-45 LAN)

The cable necessary to obtain an RJ-45-LAN connector, ensuring correct and stable connection of the device.

Check

Elbow cable (3x USB 2.0)

The cable required to obtain USB 2.0 connectors, enabling convenient and stable connection of devices.

Check

Straight cable (3x USB 2.0)

The cable required to obtain USB 2.0 connectors, enabling convenient and stable connection of devices.

Check

Elbow Cable (2x USB 2.0 + CAN)

The cable required to obtain USB 2.0 and CAN connectors, enabling convenient and stable connection of devices.

Check

Straight Cable (2x USB 2.0 + CAN)

The cable required to obtain USB 2.0 and CAN connectors, enabling convenient and stable connection of devices.

Check

Straight Cable (2x RS232)

e cable necessary to obtain an RS-232 connector, ensuring reliable communication with devices operating in this standa

Check

Elbow Cable (2x RS232)

The cable necessary to obtain an RS-232 connector, ensuring reliable communication with devices operating in this standard.

Check

Cable (RS232 + RS485)

e necessary to obtain an RS-232 and RS485 connector, ensuring reliable communication with devices operating in this s

Check

4G Antenna

ensuring fast and stable signal reception, ideal for applications requiring reliable connectivity and high-quality data tra

Sprawdź

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

This dust-proof tablet for use in agricultural vehicles uses the powerful and energy-efficient Intel Co

Ergonomic design

218.1 mm

23 mm

154.5 mm

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.
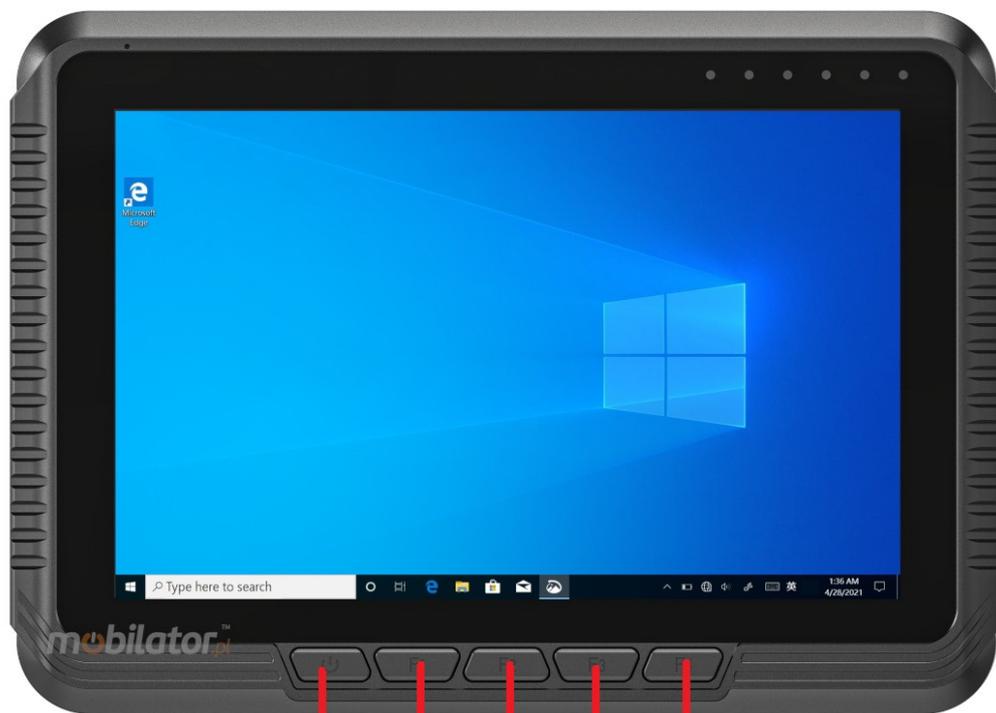
Dimensions	218.1 x 154.5 x 23.0 mm
Net weight	631g

Capacitive screen

Glass
ITO
Spacers   Spacers   Airgap
ITO
Glass

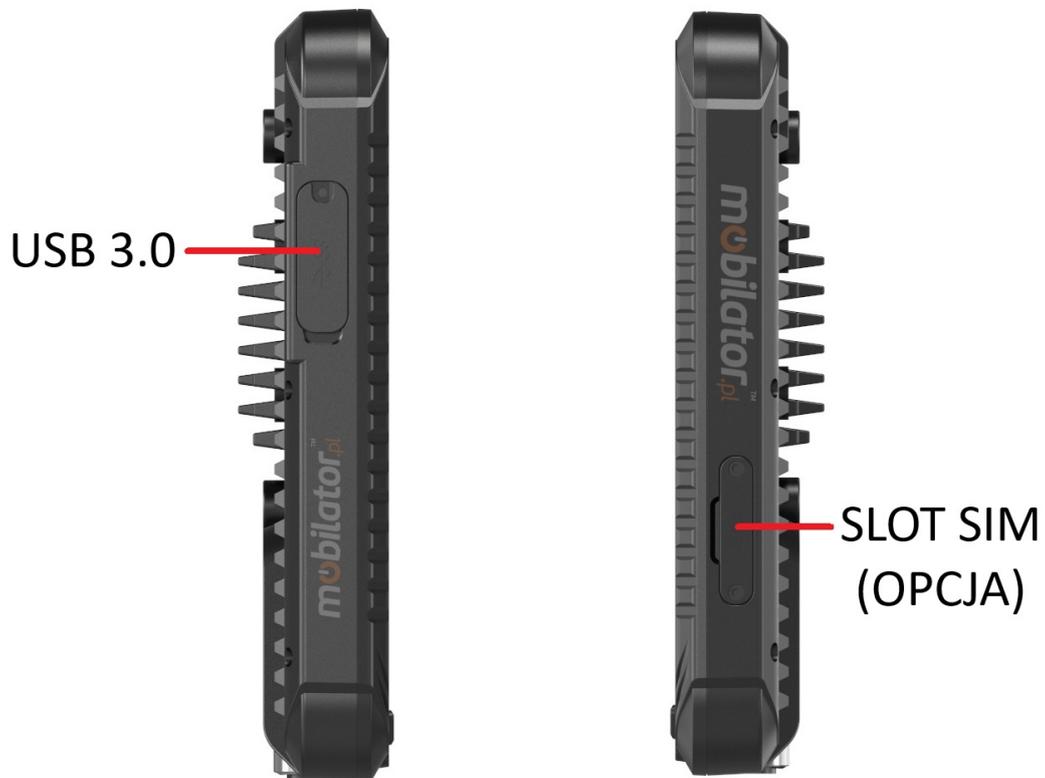The capacitive screen of the EMDOOR V80J, a rugged tablet designed for use in firefighting vehicles.

Przycisk P1   P2   P3   P4
Zasilania

P1	Volume button (+)
P2	Volume button (-)
P3	Windows button
P4	Customization button

USB 3.0

SLOT SIM (OPCJA)

*

The SIM card slot is only available in the 4G version of the model.

Port 3   Port 2   Port 1   Port zasilania
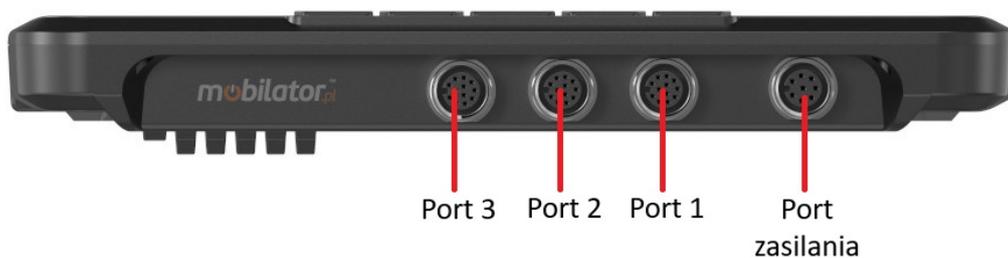
Port 1 * (option)	RJ-45 port for wired LAN
Port 2 * (option)	Port supporting RS-232 or RS485 for wired communication.
Port 3 * (option)	Port supporting USB 2.0 or CAN for wired communication.

*Additional features require accessories sold separately

RESISTANCE

IP65 Protection

The Emdoor V80J in-vehicle tablet is designed for demanding environments and meets the IP65 sta

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 durability standard, used by the US Army, among others, that determines

1.22m drop resistance

The specially designed, ruggedized construction of the Emdoor V80J truck tablet is built for demanding applications in logistics, transportation, and field work. The device is highly resistant to accidental drops, withstanding drops of up to 1.22 meters in operating mode, even onto hard surfaces. It also meets the stringent requirements of the MIL-STD-810G military standard, ensuring its reliability and durability in harsh environmental conditions – both inside and outside the vehicle cabin.

Extreme temperatures

Designed for field work and variable environmental conditions, the Emdoor V80J forklift tablet perf

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

WIRELESS COMMUNICATION

GPS Navigation

Bluetooth 5.0

The modern Bluetooth 5.0 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 V80J military vehicle tablet supports dual-band 802.11 a/b/g/n/ac Wi-Fi c

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

NFC (optional)
*

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 V80J 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.

* Optional equipment, available on specific versions only.

NFC 13.56MHz

Emdoor

APPLICATION

Trade and Services

Thanks to its multifunctionality and simple operation, the drop-proof Emdoor V80J 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 V80J, 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 V80J 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.

Mushroom GPS antenna

enna enabling precise reception of the satellite signal, guaranteeing stable and accurate determination of the device's l

Extra battery

Additional 1000mAh battery allows you to quickly replace a discharged battery.

Check

Charger

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

Check

Car charger

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

Check

RAM Holder

AM holder enabling safe and stable mounting of devices, ensuring convenient adjustment and durability in everyday use

Check

VESA

d for mounting monitors and screens compliant with the VESA standard, ensuring stability, safety and comfortable posit

Check

Wide voltage module(9-36V)

e ensuring stable and reliable operation over a wide frequency range, ideal for applications requiring universality and hi

Check

Wide voltage module(20-80V)

e ensuring stable and reliable operation over a wide frequency range, ideal for applications requiring universality and hi

Check

Power adapter cable (1,2m)

...upply cable ensuring reliable and safe power supply, ideal for applications requiring reliable and stable power supply to...

Check

Power adapter cable (6m)

...upply cable ensuring reliable and safe power supply, ideal for applications requiring reliable and stable power supply to...

<div align="center">

Check

</div>

The professional Emdoor V80J 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.

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

	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8	v.9	v.10
Windows 11 PRO	+	+	+	+	−	+	+	+	+	−
Windows 11 IOT	−	−	−	−	+	−	−	−	−	+

4GB RAM	+	+	+	+	+	−	−	−	−	−
8GB RAM	−	−	−	−	−	+	+	+	+	+
64GB ROM	+	+	+	+	+	−	−	−	−	−
128GB ROM	−	−	−	−	−	+	+	+	+	+
4G	−	+	−	+	−	−	+	−	+	−
NFC	−	−	+	+	+	−	−	+	+	+
3x USB 2.0	−	−	+	−	−	−	−	+	−	−
2x UBS 2.0 + CAN	−	−	−	+	−	−	−	−	+	−
2x RS232 / RS 232+ RS485	−	−	−	−	+	−	−	−	−	−
RJ-45 LAN	−	+	−	−	−	−	+	−	−	+