



Emdoor I88N v.6 - Multitasking industrial tablet with NFC module, GPS and 2D code scanner - sealed design with IP65 standard

Category:	UMPC - Ruggedized
Manufacturer:	EMDOOR
Operating System:	Windows 11 Home
Display:	8" (1900x1200px)
Brightness:	550 Nit
Processor:	Intel Alder LAKE N100
Memory:	8GB
Hard Drive:	No
Flash Memory:	128GB EMMC
Touch screen:	Capacitive
Durability:	IP65
Drop:	1.2m (MIL-STD 810H)
Shock:	MIL-STD 810H
Vibration:	MIL-STD 810H
Temperature:	Operating temperature: -20°C -- 60°CStorage temperature: -30°C -- 70°C

Humidity:	5% -- 95%
1D barcode scanner (reader):	No
2D barcode scanner (reader):	Honeywell N3680
RFID scanner (reader):	No
Other:	NFC , Sensor: G-Sensor
Battery:	7.6V/5000mAh
Working time on battery:	7h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	IEEE 802.11 a/b/g/n/ac/ax
Bluetooth:	Bluetooth 5.2
WAN:	4G
GPS:	BeiDou
Camera:	Rear: 8Mpx, FlashFront: 5Mpx
In/Out:	USB 3.0 USB-C Jack 3.5mm SIM DC 12V HDMI 2.0
Optional accessories:	Charger, docking station, car holder, additional battery
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	Intel UHD Graphics
Chipset:	-----
BIOS:	-----
Casing material:	-----
Flash Card Reader:	No

CD/DVD:	No
Audio:	Built-in microphone and speaker
Keyboard:	Onscreen
Additional Navigation Devices :	No
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	MIL-STD 810H
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	236.7 x 155.7 x 20.8mm - 818g
Fanless casing:	Yes
Weight:	818g

3 561,44 zł

net price: 2 895,48 zł

Emdoor I88N



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

Emdoor I88N is a modern, dustproof industrial tablet designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP65, which confirms the protection of the device against dust and water. Like the military equipment, the tablet has the MIL-STD 810H military standard.

SPECIFICATION

Emdoor I88N	
Processor	Intel Alder LAKE N100
Graphics	Intel UHD Graphics
Operating system	Windows 11 Home Windows 11 Pro * (optional) Windows 11 IoT Enterprise * (optional)
RAM	8GB
ROM	128GB
Display	8" 1920 x 1200
Touch screen	Capacitive
Battery	7.6V/5000mAh
Camera	5Mpx Front 8Mpx Rear
Protection	IP65 MIL-STD 810H
Communication	4G Bluetooth Wi-Fi GPS NFC * (option: none) GPS + BeiDou * (option: none)
Connectors	USB 3.0 USB-C Jack 3.5mm SIM DC 12V HDMI 2.0 Pogo
2D Scanner *	Honeywell N3680 * (option: none)

* Optional equipment, available on specific versions only.



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

Waterproof industrial tablet Emdoor I88N was equipped with high performance, energy-efficient Intel processor. Inside, there are four cores that allow for more efficient processing of multiple tasks simultaneously. Shared caching, which uses a multi-level hierarchy, is dynamically allocated to each processor core according to the load. This reduces the average access time to main memory. Enhanced graphics card technology lets you enjoy full FHD video and movies. Low power consumption guarantees long battery life.

Ergonomic design



Emdoor I88N industrial tablet is designed for resistance and convenience. The sleek and rugged 19mm thick design and stylish case will make the tablet very well suited for industrial use and more. The unique size has been carefully thought out to make the device more comfortable and ergonomic. The non-slip casing makes it safe and secure to hold it in your hand, and the rubber corners further protect your device against possible damage as a result of falls.

Dimensions	236.7 x 155.7 x 20.8mm
Net weight	818g

Capacitive screen



With the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched. This allows for much more precise handling and gentle brushes on the screen. In addition, we can use multitouch technology, the ability to control our tablet or the collector with a few fingers at once.

Connectors and dimensions





RESISTANCE



IP65 Protection

The IP standard defines the degree of protection provided by the enclosure of an electrical device against such factors as: access to dangerous parts inside the enclosure, penetration of foreign matter, splashing or immersion.

IP6X	No ingress of dust, complete protection against contact. A vacuum must be applied. Test duration of up to 8 h
IPX5	Protection from low-pressure water jets from all directions.

MIL-STD 810H Standard

The MIL-STD-810H is a strict military standard used in the United States Army. It determines the immunity of the equipment to severe environmental and

weather conditions such as extreme low and high temperatures, temperature changes, rain or dust, as well as various accidents (shocks, floods, falls from 1.5m, etc.). Although the MIL-STD-810H is mainly used for military equipment, it is often used by private companies that produce equipment that requires unmatched durability.



DATA COLLECTING

NFC (option)

Short-range communication, known as NFC, is a radio communication standard that allows for wireless data exchange at a distance of a few centimeters. This technology is a simple extension of the proximity card standard that combines smart card interface and reader in one device. NFC

devices can communicate with existing equipment in the standard ISO / IEC 14443 (cards and readers) as well as with other NFC devices, and thus are compatible with existing and already used public transport and payment infrastructures such as MIFARE.

NFC 13.56MHz
*Obsługa protokołów ISO14443A,
ISO14443B, ISO15693, MIFARE
Classic*
Zasięg do 3cm



Barcode scanner (option)



Skanery kodów 2D

Honeywell

Barcode Reader allows you to read, decode and transfer stored data in barcode to your computer. Thanks to dynamic scanning method and the large range of reading, data collector is capable to carefully collecting data, which helps to increase the rate and efficiency of work. Simplified installation procedure, convenient and intuitive design allow to start scanner work very easy and quickly.

WIRELESS COMMUNICATION

4G Module

4G technology is based on a radio network with fast transmission and the rare occurrence of downtime or transfer errors. The main distinguishing feature of the 4G from its predecessor (3G) is the speed of transfer between devices. The fourth generation network offers 100 Mb / s of mobile internet speed and 25 Mb / s of packet transfer. Technology enables users, including: extremely fast radio networks, Internet access, personalized telephony, and access to

modern media and games services.

4G Module	<u>FDD-LTE</u> : B1/B3/B5/B7/B8 2100/1800/850/2600/900 <u>TDD-LTE</u> : Band38:2570 MHz - 2620 MHz, Band39: 1880 MHz - 1920 MHz, B41: 2555-2655MHz, B40: 2300-2400MHz, B38/B39/B41/B40/B38/B39/B40/B41
3G Module	<u>GSM</u> : 850/900/1800/1900 B5/B8/B3/B2 <u>WCDMA</u> : B1/B2/B4 2100/1900/1700 <u>TD-SCDMA</u> : B34/B39

GPS Navigation

Rugged tablet Emndoor I88N is equipped with a professional GPS module with Beidou (option) support, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.

Bluetooth 5.2

Bluetooth enables wireless short-range communication between various electronic devices, such as the keyboard, computer, laptop, palmtop, mobile phone and many others. In the fifth version of this standard, energy consumption was reduced considerably, at the expense of lower transfer costs, and real operating coverage increased.

Wi-Fi 6 network

Dual-band Wi-Fi 6 provides fast network access wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a work or residence router and a wireless network that can be used at no extra cost. The shock-resistant industrial tablet, the Emdoor I88N, is equipped with the latest 802.11ax technology, which allows file transfer speeds up to 1500 Mb/s.

Standards	802.11(a/b/g/n/ax)
Frequencies	2.4G + 5.8G (Dual-Band)

APPLICATION

Trade and Services

Thanks to their size and light weight, tablet and smartphone data collectors are a useful tool for sales representatives. Today's applications running under the Windows system enable even entering the data collector's contractor database, which allows us to later search for it quickly by name or NIP number. We can do the same with our commodity base, which can work in parallel with the database of contractors. Additional use of collectors in the trade, such as sending orders or invoices directly to the company through the GSM network or Wi-Fi.



Industry and Construction

Industrial tablets and data collectors are characterized by high resistance to adverse working conditions. Tightness, dust and water resistance of enclosures, certified by IP (dust and water resistance standards) and often MIL-STD military standard, can withstand even the harshest conditions in industrial infrastructure or on the construction site. With appropriate applications, collectors can be used for control and control of various industrial processes, as well as for data collection and analysis.



Warehouse

An industrial data sheet is the ideal solution for quick stocktaking. In addition, depending on the software used, it streamlines the process of entering and

delivering goods into the warehouse, enables price control and dispensing, helps to collect and order orders, and identifies customers and servicing the rental. The advantages of using data collectors are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.



AVAILABLE VERSIONS AND ACCESSORIES

We also offer a number of extra accessories for this tablet to further enhance its functionality and comfort. Below is the list of available accessories.

Car holder VUMI87J



Use your rugged tablet while driving a car in a comfortable way.
Lockable with key.

[Check](#)

Car holder VUMV2-87J



Use your rugged tablet while driving a car in a comfortable way.

[Check](#)

Docking station



Docking station allows to charge the tablet in easy and comfortable way.

[Check](#)

Standard adapter (EU)



Standard power grid adapter.

[Check](#)

Car charger 19V3A



Charge your rugged tablet while using a car.

Check

Additional battery



Additional battery for your tablet.

Check

Hand strap



Makes it easier to work with the tablet.

Check

Quadruple charging station



Allows to charge as much as 4 batteries at once.

Check

The professional Emdoor I88N tablet is available in several versions to suit 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, on request, you can create a configuration not currently available in the offer.

	v.1	v.2	v.3	v.4	v.5	v.6
NFC	—		—			
GPS BeiDou	—	—	—		—	
Scanner 2D Honeywell	—	—		—		
Windows 11PRO	—	—	—	—	—	—
Windows 11IoT	—	—	—	—	—	—
	v.7	v.8	v.9	v.10	v.11	
NFC	—	—	—			
GPS BeiDou	—	—	—			

