



## Waterproof rugged industrial tablet Emdoor I18H + NFC

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	EMDOOR
<b>Operating System:</b>	Windows 10 Home 32bit (without license)
<b>Display:</b>	10.1" (1280x800px)   Gorilla Glass 3
<b>Brightness:</b>	280Nit
<b>Processor:</b>	Intel Atom (Cherry Trail) x5-Z8350 (4x 1.44GHz)
<b>Memory:</b>	2GB DDR3L
<b>Hard Drive:</b>	-----
<b>Flash Memory:</b>	32GB EMMC
<b>Touch screen:</b>	Capacitive
<b>Durability:</b>	IP65
<b>Drop:</b>	1.2m (MIL-STD 810G)
<b>Shock:</b>	MIL-STD 810G
<b>Vibration:</b>	MIL-STD 810G
<b>Temperature:</b>	Operating temperature: -10°C -- 50°C Storage temperature: -30°C -- 70°C
<b>Humidity:</b>	0% -- 95%
<b>1D barcode scanner (reader):</b>	No
<b>2D barcode scanner (reader):</b>	No

<b>RFID scanner (reader):</b>	NFC 13.56MHzSupport ISO/IEC 14443A/14443B/15693/18092/MIFARERead distance: 4cm
<b>Other:</b>	-----
<b>Battery:</b>	3.7V 10000mAh Lithium
<b>Working time on battery:</b>	8h
<b>Fast battery replacement ability:</b>	No
<b>HotSwap battery:</b>	No
<b>LAN:</b>	No
<b>WLAN:</b>	IEEE 802.11 a/b/g/n
<b>Bluetooth:</b>	Bluetooth 4.0
<b>WAN:</b>	3G: WCDMA 900 MHz/2100 MHz GSM/GPRS/EDGE: 900MHz/1800 MHz HSDPA 7.2Mbps, HSUPA 5.76Mbps
<b>GPS:</b>	U-BLOX Neo-7 (GPS/GLONASS/QZSS)
<b>Camera:</b>	Rear: 5Mpx, FlashFront: 2Mpx
<b>In/Out:</b>	Micro SDSIMMicro USB 3.0Audio JackMini HDMI
<b>Optional accessories:</b>	Stylus   Car charger   Charger
<b>Docking station connector:</b>	Yes
<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>	Intel® HD Graphics
<b>Chipset:</b>	-----
<b>BIOS:</b>	-----
<b>Casing material:</b>	-----
<b>Flash Card Reader:</b>	micro SD (max. 128GB)
<b>CD/DVD:</b>	-----

<b>Audio:</b>	Built-in microphone and speaker
<b>Keyboard:</b>	Onscreen
<b>Additional Navigation Devices :</b>	-----
<b>Color:</b>	Silver   Black
<b>Swivel Hinge:</b>	-----
<b>VGA out:</b>	No
<b>TV Out:</b>	-----
<b>TV Tuner:</b>	Nie
<b>Security:</b>	MIL-STD 810G
<b>Waterproof:</b>	IPX5
<b>Sand and dust:</b>	IP6X
<b>Size:</b>	268 x 178 x 14mm - 1100g
<b>Fanless casing:</b>	Yes

**Product from the Archive - production finished**



## SPECIFICATION

## RESISTANCE

## DATA COLLECTING

## WIRELESS COMMUNICATION

## APPLICATION

## AVAILABLE VERSIONS AND ACCESSORIES

Emdoor I18H to nowoczesny, wodoodporny tablet przemysłowy przeznaczony do zastosowań w ekstremalnych warunkach. Posiada on specjalnie zaprojektowaną, wzmocnioną konstrukcję, spełniającą wymogi normy IP65, która potwierdza ochronę urządzenia przed pyłem oraz wodą. Podobnie jak sprzęt produkowany dla wojska, tablet posiada standard militarny MIL-STD 810G.

## SPECIFICATION

Emdoor I18H	
Processor	Intel Atom (Cherry Trail) x5-Z8350
Graphics	Intel® HD Graphics
Operating system	Win 10 (no license) / Win 10 Pro * / Win 10 Home *
RAM	2GB DDR3L
ROM	32GB eMMC
Display	10.1"   (800 x 1280)   Gorilla Glass 3

Emdoor I18H	
Touch screen	Capacitive, 10 Point Multi-touch
Battery	3.7V/10000mAh
Camera	2Mpx Front   5Mpx Rear
Protection	IP65   MIL-STD 810G
Communication	3G  Bluetooth   NFC *   Wi-Fi
Connectors	Mini HDMI   Micro USB 3.0   Audio Jack   3.5mm DC
Memory card	Micro SD (max. 128GB)
SIM card	SIM
RFID Reader	None
1D Scanner	None
2D Scanner	None

\*

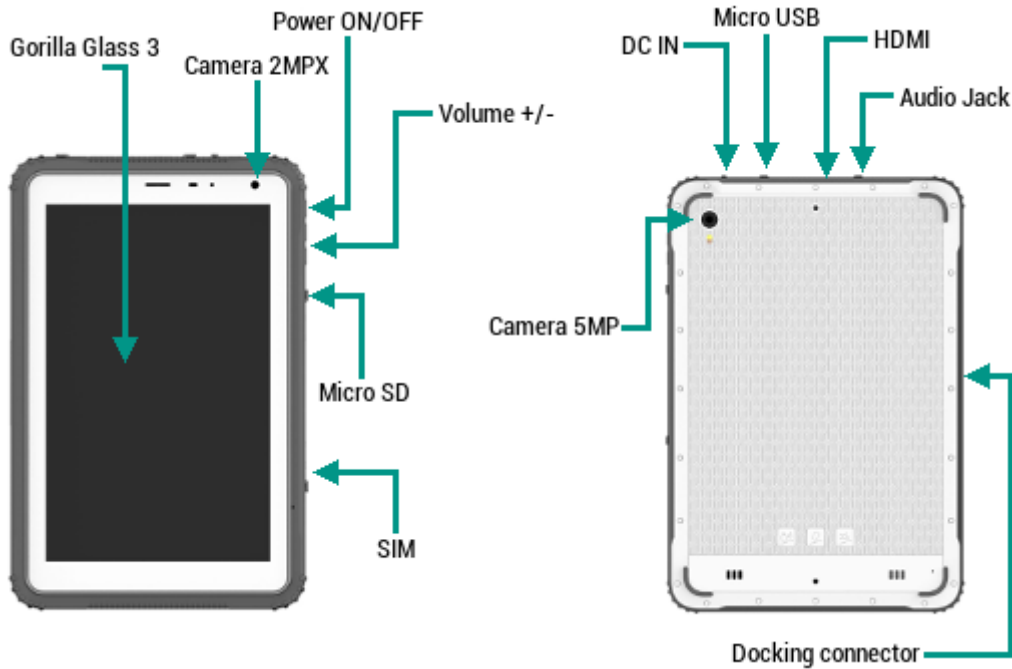
Optional equipment, available on specific versions only.



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

Dustproof industrial tablet Emdoor I18H was equipped with high performance, energy-efficient Intel Cherry Trail Z8350 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 HD video and movies. Low power consumption guarantees long battery life.

Ergonomic design



Emdoor I18H industrial tablet is designed for resistance and convenience. The sleek and rugged 14mm 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.

<b>Dimensions</b>	268 x 178 x 14mm
<b>Net weight</b>	1100g

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.

## 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.

<b>IP6X</b>	No ingress of dust, complete protection against contact. A vacuum must be applied. Test duration of up to 8 hours based on air flow.
<b>IPX5</b>	Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.

## MIL-STD 810G Standard

The MIL-STD-810G 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, high

altitude falls, etc.). Although the MIL-STD-810G is mainly used for military equipment, it is often used by private companies that produce equipment that requires unmatched durability.



### 1.2m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.2 meters in operating mode, even on hard surfaces. In addition, the tablet screen is protected by specially tempered glass Gorilla Glass.



### Gorilla Glass

Gorilla Glass is a type of chemically toughened, super durable glass. With this technology, the screen is several times more resistant to scratches and ensures that scratches and cracks will not deepen or enlarge.

### Extreme temperatures

Emdoor I18H is suitable for continuous operation in both low and high temperatures in the range of -10 ° C to 50 ° C. When the device is off, it can handle temperatures ranging from -30 ° C to 70 ° C. In addition, the rugged

industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

<b>Working Temp.</b>	-10°C to 50°C
<b>Storage Temp.</b>	-30°C to 70°C
<b>Humidity</b>	0% to 95%

## 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 ISO/IEC  
14443A/14443B/15693/18092  
MIFARE

Zasięg do 5cm



## WIRELESS COMMUNICATION

### 4G Module (option)

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.

<b>4G Module (option)</b>	HUAWEI ME909S-120 FDD LTE Band 1/2/3/4/5/7/8/20
<b>3G Module</b>	IC:H350-A30 WCDMA 900 MHz/2100 MHz GSM/GPRS/EDGE: 900MHz/1800MHz HSDPA 7.2Mbps HSUPA 5.76Mbps

## U-Blox NEO-7 Navigation

U-Blox NEO-7 is a professional GPS module with GPS / QZSS and GLONASS support, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.



### GPS U-BLOX NEO-7

Obsługuje GPS, QZSS,  
GLONASS

Hot Start: < 28s

Cool Start: < 30s

## Bluetooth 4.0

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

## Wi-Fi network

Dual-band Wi-Fi 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 Emode I18H, is equipped with the latest 802.11n technology, which allows file transfer speeds up to 150 Mb/s.

<b>Standards</b>	802.11(a/b/g/n)
<b>Frequencies</b>	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 collector 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

The industry-leading Emdoor I18H 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.

	Windows 10 Pro	NFC	4G Module	64GB ROM	4GB RAM
v.1	—	—	—	—	—
v.2		—	—	—	—
v.2.1		—	—		
v.3	—	—		—	—
v.4		—		—	—
v.4.1		—			
v.5	—		—	—	—
v.6				—	—
v.6.1					

We also offer a number of extra accessories for this tablet to further enhance its functionality and comfort. Below is a list of available accessories. Click on the "Check" link to go to the description page and the price of the accessory.

Car Holder (short)



Car holder with short arm, allows to mount the tablet inside the vehicle.

[Check](#)

### Car Holder (long)



Car holder with long arm, allows you to mount the tablet inside the vehicle.

[Check](#)

### Capacitive stylus



Stylish stylus for precise navigation on the touch panel without leaving fingerprints.

Check

## Car charger

car charger  
Image not found or type unknown

Enables you to charge your device in a car with a built-in cigarette lighter.

Check

## Charger

charger  
Image not found or type unknown

Enables you to charge the device in your house using an electrical outlet

Check

## Wrist strap



The wrist strap increases the comfort and security of your tablet.

Check

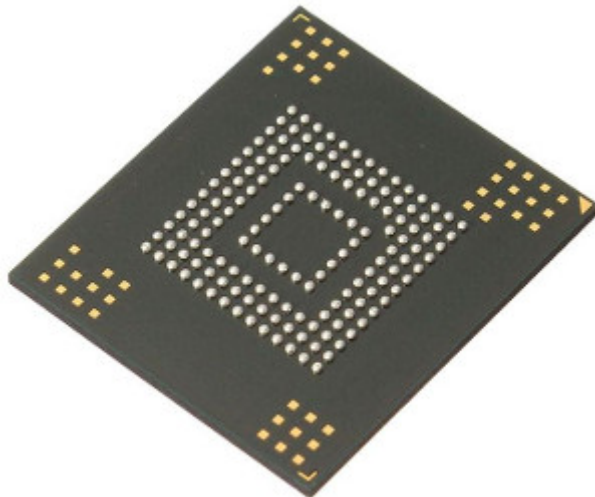
4GB DDR3L (expansion\*)



Expansion of built-in digital memory bones RAM DDR3L with 2GB to 4GB.

Check

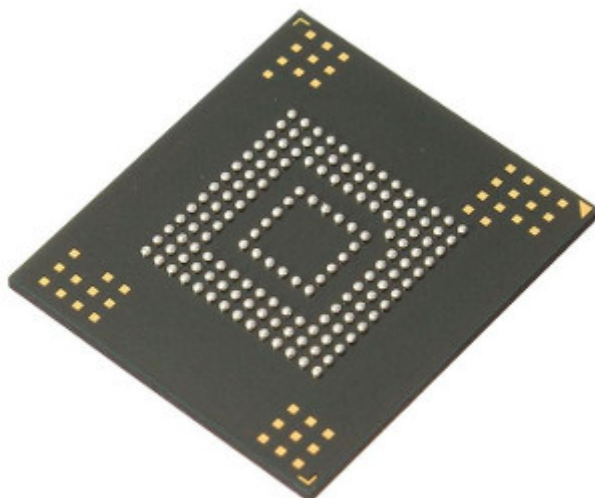
64GB eMMC (expansion\*)



Built-in internal memory eMMC expansion from 32GB to 64GB.

Check

128GB eMMC (expansion\*)



Built-in internal  
eMMC memory expansion from 32GB to 128GB.

Check

Windows 10 Pro (2GB/32GB)



The latest Windows 10 Professional edition for 2GB RAM / 32GB ROM configuration.

[Check](#)

### Windows 10 Pro (4GB/64GB)



The latest Windows 10 Professional edition for 4GB RAM / 64GB ROM configuration.

[Check](#)

### Windows 10 Pro (4GB/128GB)



The latest Windows 10 Professional edition for 4GB RAM / 128GB ROM configuration.

[Check](#)

### Windows 10 Home (2GB/32GB)



The latest Windows 10 Home edition for 2GB RAM / 32GB ROM configuration.

[Check](#)

### Windows 10 Home (4GB/64GB)



The latest Windows 10 Home edition for 4GB RAM / 64GB ROM configuration.

[Check](#)

### Windows 10 Home (4GB/128GB)



The latest Windows 10 Home edition for 4GB RAM / 128GB ROM configuration.

[Check](#)

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Expansions may only be ordered when purchasing the device.



More pictures available in the "Gallery" tab.