



Emdoor I81H v.1 - Industrial 8-inch tablet with IP65 + MIL-STD-810G and 4G, Bluetooth, 4GB RAM, 64GB ROM and NFC disk

Category:	UMPC - Ruggedized
Manufacturer:	EMDOOR
Operating System:	Windows 10 Home S (optional) Windows 10 PRO OS (optional)
Display:	8" (800x1280) IPS
Brightness:	450Nit
Processor:	Intel Cherry Trail Z8350(4x 1.92 GHz)
Memory:	4GB
Hard Drive:	-----
Flash Memory:	64GB
Touch screen:	Capacitive (glove touch, water touch)
Durability:	IP65
Drop:	1.22m
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G
Temperature:	Operating temperature: -10°C -- 50°CStorage temperature: -20°C -- 60°C

Humidity:	0% -- 95%
1D barcode scanner (reader):	MOTO SE655 (optional)
2D barcode scanner (reader):	Honeywell N3680 (optional)
RFID scanner (reader):	--
Other:	-----
Battery:	3.7V 6000mAh Li-Ion
Working time on battery:	6h
Fast battery replacement ability:	No
HotSwap battery:	Nie
LAN:	optional
WLAN:	IEEE 802.11 a/b/g/n/ac (Dual band)
Bluetooth:	Bluetooth 4.2
WAN:	LTE FDD: B1,B3,B5,B7,B8,B20 WCDMA 1/2/5/8 GSM 850/900/1800/1900MHz LTE TDD: B38/B40/B41
GPS:	Yes
Camera:	Rear: 5Mpx Front: 2Mpx
In/Out:	Audio Jack Micro USB USB 2.0 HDMI
Optional accessories:	-----
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	optional
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	ABS/PC

Flash Card Reader:	----
CD/DVD:	-----
Audio:	Built-in speaker
Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	-----
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	No
Security:	-----
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	227.5 x 150 x 21mm
Fanless casing:	Yes
Weight:	680g

Product from the Archive - production finished



SPECIFICATION
RESISTANCE
DATA COLLECTING
WIRELESS COMMUNICATION
APPLICATION

Emdoor I81H is a modern, waterproof 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.

SPECIFICATION

Emdoor I81H	
Processor	Intel Cherry Trail Z8350(4x 1.92 GHz)
Graphics	Intel® HD Graphics
Operating system *	Windows 10 Home S * (optional) Windows 10 PRO OS * (optional)
RAM	4GB
ROM	64GB
Display	8" 800x1280 IPS
Touch screen	Capacitive
Battery	3.7V/6000mAh



Emdoor I81H	
Camera	2Mpx Front 5Mpx Rear
Protection	IP65
Communication	3G/4G Bluetooth NFC Wi-Fi GPS
Connectors	HDMI USB 2.0 Audio Jack Micro USB
SIM card	SIM
Scanner 1D ★	MOTO SE655 ★ (optional)
Scanner 2D ★	Honeywell N3680 ★ (optional)

★

Optional equipment, available on specific versions only.



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

The dustproof industrial tablet uses a powerful and energy-saving Intel Cherry Trail Z8350 processor (4x 1.92 GHz). Inside, there are four cores that work together to process multiple tasks more efficiently. Shared cache, which is used in a multi-level hierarchy, is dynamically allocated to each processor core depending on the workload. This leads to a reduction in the average access time to main memory. Improved graphics card technology allows you to enjoy movies in full definition and HD quality. Low energy consumption guarantees long battery life.

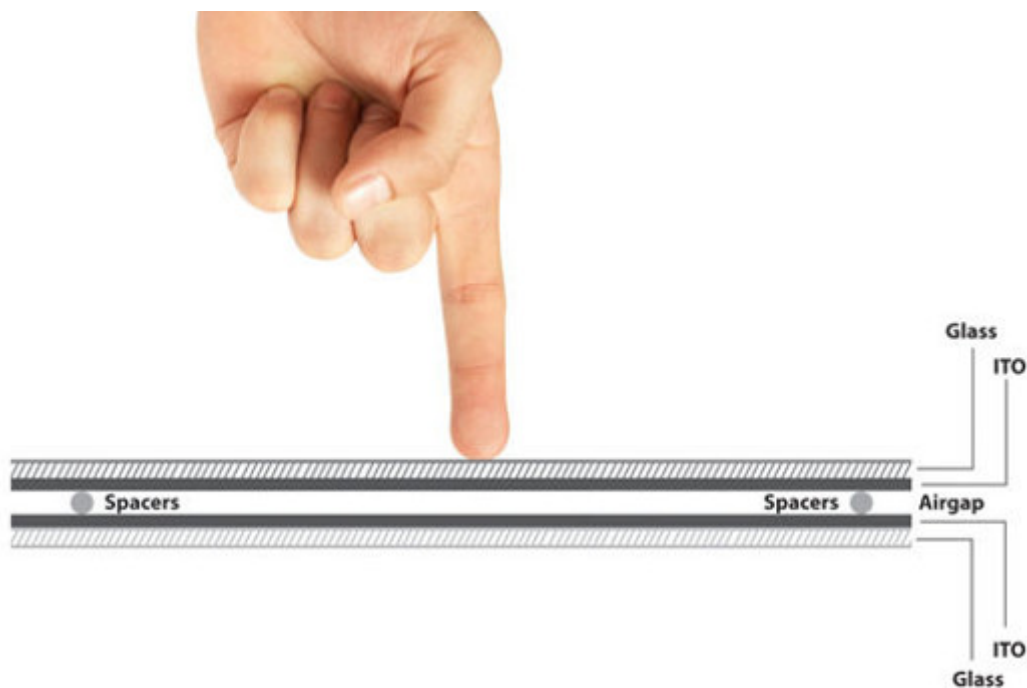
Ergonomic design



Emdoor I81H industrial tablet is designed for resistance and convenience. The sleek and rugged 21mm 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	227.5mm x 150mm x 21mm
Net weight	680

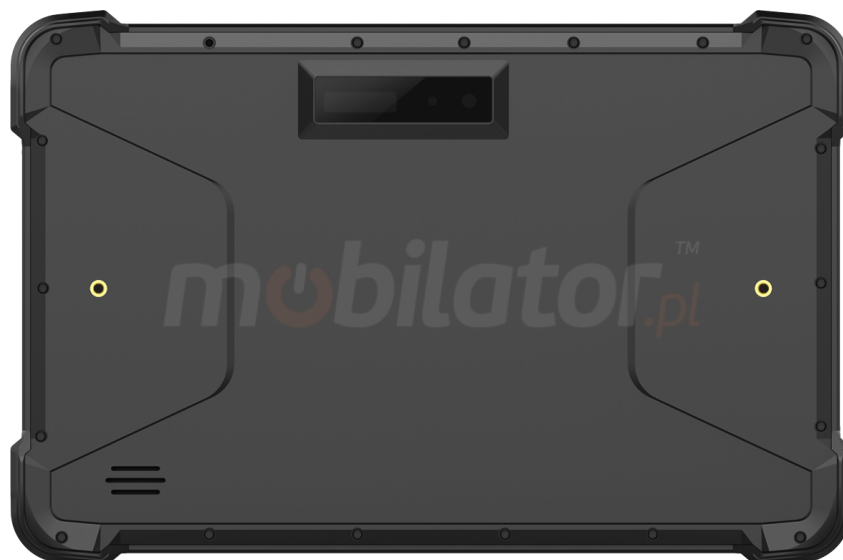
Capacitive screen



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.

DATA COLLECTING

Barcode scanner



The barcode reader allows you to read, decode and send data stored in the barcode to a computer. With dynamic scanning capabilities and a large reading range, the data collector collects data accurately, helping to increase the pace and efficiency of your work. The whole thing can be started quickly, because thanks to the simplified installation procedure and the intuitive, comfortable design, preparing the scanner for operation is very easy.

1D Scanner ★	MOTO SE655 (optional)*
2D Scanner ★	Honeywell N3680 * (optional)

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Optional equipment, available on specific versions only.

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 against water jets (12.5 l / min) poured on the housing from any side

MIL-STD 810 Standard

The MIL-STD-810 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-810 is mainly used for military equipment, it is often used by private companies that produce equipment that requires unmatched durability.

1.22m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.22 meters in operating mode, even on hard surfaces.

Extreme temperatures

Emdoor I81H 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 -20 ° C to 60 ° C. In addition, the rugged industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-10°C to 50°C
Storage Temp.	-20°C do 60°C
Humidity	0% do 95%

WIRELESS COMMUNICATION

GPS Navigation

Waterproof tablet Emdoor I81H is equipped with a professional GPS module with U-blox NEO-7 support, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.

Bluetooth 4.2

Bluetooth enables wireless short-range communication between various electronic devices, such as the keyboard, computer, laptop, palmtop, mobile phone and many others. In the 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 is equipped with the latest 802.11ac technology, which allows file transfer speeds up to 1300 Mb/s.

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



More pictures available in the "Gallery" tab.