



Emdoor T81X v.2 - Rugged IP65 tablet with an 8 inch screen, Android 12, 8/128GB, 13MP camera, NFC, and 2D barcode scanner - designed for warehouse, service, and transport applications

Category:	UMPC - Ruggedized
Manufacturer:	EMDOOR
Operating System:	Android 12
Display:	8" (1280x800)
Brightness:	700 Nit
Processor:	ARM (Octa-Core) 2.0Ghz
Memory:	8GB
Hard Drive:	No
Flash Memory:	128GB EMMC
Touch screen:	Capacitive
Durability:	IP65
Drop:	1.2m (MIL-STD 810G)
Shock:	MIL-STD 810G
Vibration:	MIL-STD 810G
Temperature:	Operating temperature: -20°C -- 60°C Storage temperature: -30°C -- 70°C

Humidity:	5% -- 95%
1D barcode scanner (reader):	No
2D barcode scanner (reader):	Zebra 4710
RFID scanner (reader):	No
Battery:	3.7/6000mAh
Working time on battery:	6h
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	IEEE 802.11 a/b/g/n/ac
Bluetooth:	Bluetooth 5.2
WAN:	4G
GPS:	Yes
Camera:	Rear: 13Mpx, FlashFront: 5Mpx
In/Out:	USB 2.0 USB-C SIM TF Pogo 3.5mm Jack 3.5mm DC
Optional accessories:	Docking station, hand strap, 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:	No
Chipset:	-----
BIOS:	-----
Casing material:	-----
Flash Card Reader:	No
CD/DVD:	No

Audio:	Built-in speaker
Keyboard:	Onscreen
Additional Navigation Devices :	No
Color:	Black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	MIL-STD 810G
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	227.7 x 150.8 x 24.7mm - 680g
Fanless casing:	Yes
Weight:	680g

566,96 €

net price: 460,94 €

Emdoor T81X



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

Emdoor T81X 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. Like the military equipment, the tablet has the MIL-STD 810G military standard.

SPECIFICATION

Emdoor T81X	
Processor	ARM (Octa-Core) 2.0Ghz
Operating system	Android 12 (GMS)
RAM	8GB
ROM	128GB
Display	8" 1280x800
Touch screen	Capacitive
Battery	3.7V/6000mAh
Camera	5Mpx Front 13Mpx Rear
Protection	IP65 MIL-STD 810G
Communication	4G Bluetooth 5.2 Wi-Fi GPS NFC
Connectors	USB-A 2.0 USB-C SIM TF Pogo 3.5mm Jack 3.5mm DC
2D Scanner *	Zebra 4710

* Optional equipment, available on specific versions only.



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

Dustproof industrial tablet Emdoor T81X was equipped with high performance, energy-efficient Intel processor. Inside, there are eight 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. Low power consumption guarantees long battery life.

Ergonomic design



Emdoor

T81X

industrial tablet is designed for resistance and convenience. The sleek and rugged 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	227.7 x 150.8 x 24.7mm
Net weight	680g

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 waterproof tablet or the collector with a few fingers at once.

Connectors and dimensions





RESISTANCE



IP65 Protection

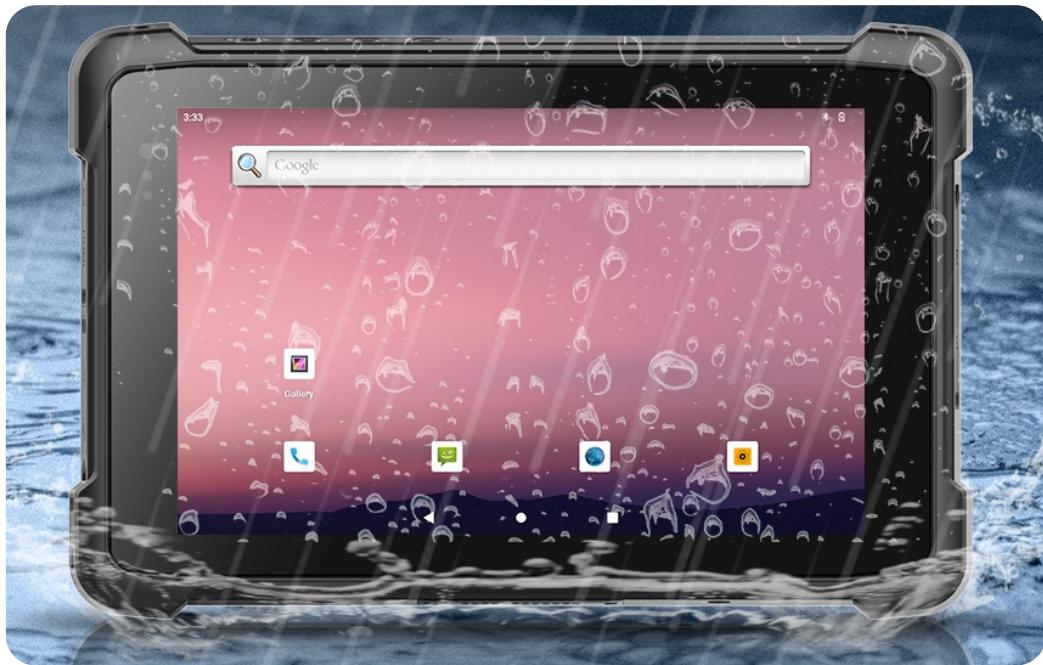
The IP standard defines the degree of protection provided by the enclosure of an electrical device against such factors as: access to dangerous parts inside the enclosure, penetration of foreign matter, splashing or immersion.

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

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, falls from up to 1.2m 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.



DATA COLLECTING

NFC

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



Skanery kodów 2D



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, armored 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.

2G/3G/4G Module

GSM B2/B3/B5/B8
WCDMA B1/B2/B5/B8
TDD B38/B39/B40/B41N
FDD B1/B2/B3/B4/B5/B7/B8/B17/B20/B28a/B28b

GPS Navigation

Waterproof tablet Emdoor T81X is equipped with a professional GPS module with Beidou and Glonass 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 5.2 version of this standard, energy consumption was reduced considerably, real operating coverage is bigger and the transferred audio files quality increased.

Wi-Fi 5 network

Dual-band Wi-Fi 5 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 T81X, is equipped with the 802.11ac technology, which allows file transfer speeds up to 1300 Mb/s.

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

APPLICATION

Trade and Services

Thanks to their size and light weight, industrial 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 IP65 (dust and water resistance standards) and often MIL-STD 810G 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 VHM81



Use your rugged tablet with ease while driving a vehicle.

[Check](#)

Docking station DC82



Docking station allows for easy and comfortable charging your tablet.

[Check](#)

Standard adapter



Allows charging your tablet from multiple types of sockets.

Check

Hand strap



Hand strap makes it easier to use your tablet.

Check

The industry-leading Emdoor T81X 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

2D Scanner

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More pictures of the device available in the ["Gallery"](#) tab.