WiFi® Bluetooth GPS NFC

# Emdoor T87X v.2 - Rugged industrial tablet with NFC, 4G, GPS, 128GB ROM, ANDROID 12, WiFi and 1D/2D scanner
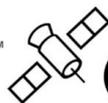
| | |
|---|---|
| **Category:** | UMPC - Ruggedized |
| **Manufacturer:** | EMDOOR |
| **Operating System:** | Android 12 |
| **Display:** | 10.1" (1920x1200) IPS 16:10 |
| **Brightness:** | ~550 nits |
| **Processor:** | ARM OCTA CORE |
| **Memory:** | 8GB |
| **Hard Drive:** | 128GB ROM |
| **Flash Memory:** | --- |
| **Touch screen:** | Capacitive \| 5 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):** | Tak |

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|---|---|
| **2D barcode scanner (reader):** | Zebra 4710 |
| **RFID scanner (reader):** | NFC 13,56MHz |
| **Other:** | ----- |
| **Battery:** | 3.8V/10000mAh |
| **Working time on battery:** | 9h |
| **Fast battery replacement ability:** | NO |
| **HotSwap battery:** | Nie |
| **LAN:** | Nie |
| **WLAN:** | IEEE 802.11 a/b/g/n/ac (Dual band) |
| **Bluetooth:** | Bluetooth 5.2 |
| **WAN:** | MeiG 750 LTE FDD: B1/B3/B7/B8/B20/ B28A WCDMA: B1/B8 GSM: B3/B8 |
| **GPS:** | Yes |
| **Camera:** | Rear: 13Mpx, FlashFront: 13Mpx |
| **In/Out:** | 1x TF | 1x USB-C | 1x USB2.0 | 2x SIM |
| **Optional accessories:** | Wrist strap/holder, car holder, extra battery, docking station, |
| **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:** | ARM G57 MC2 |
| **Chipset:** | ARM |
| **BIOS:** | ----- |
| **Casing material:** | ABS/PC |
| **Flash Card Reader:** | TF card (max. 512GB) |
| **CD/DVD:** | ----- |
| **Audio:** | Built-in microphone and speaker |

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| **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:** | 236.7mm x 155.7mm x 20mm |
| **Fanless casing:** | Yes |
| **Weight:** | 910g |

**639,08 €**
net price: 519,58 €

## SPECIFICATION

## RESISTANCE

## DATA COLLECTING

## WIRELESS COMMUNICATION

## APPLICATION

## ACCESSORIES AND AVAILABLE VERSIONS

Emdoor T87X is a modern, waterproof industrial tablet designed for use in extreme conditions. It has a specially designed, reinforced structure that meets the requirements of the IP65 and MIL-STD-810G standards, which confirm the device's resistance to dust, water and falls.

## SPECIFICATION

| Emdoor T87X | |
| --- | --- |
| Processor | ARM OCTA CORE |
| Operating system | Android 12 |
| RAM | 8GB |
| SSD | 128GB |
| Display | 8" 1920×1200, 550 nits brightness, 16:10 |
| Touch screen | Capacitive (5-point, G+G) |
| Battery | 3.8V/10000mAh |
| Camera | 5Mpx Front | 13Mpx Rear |
| Protection | IP65 |
| Communication | 4G LTE | Bluetooth | Wi-Fi | GPS | NFC |
| Connectors | 1x TF | 1x USB-C | 1x USB2.0 | 2x SIM |
| Memory card | microSD/TF (max 512GB) |
| SIM card | SIM |
| Sensor | Gravity sensor |
| Scanner 2D | Zebra 4710 |

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

The dustproof industrial tablet uses an efficient and energy-saving ARM. This unit uses hybrid technology with Performance and Efficient cores, ensuring high performance at low energy consumption. Advanced cache memory management and dynamic allocation of resources to individual cores increase data processing efficiency and shorten the device's response time. The tablet is ideal for technical and service applications, and the modern CPU

architecture allows work in demanding field conditions, while maintaining a long battery life.

## Ergonomic design

236,7 mm

20 mm

155,7 mm

The Emdoor T87X 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.
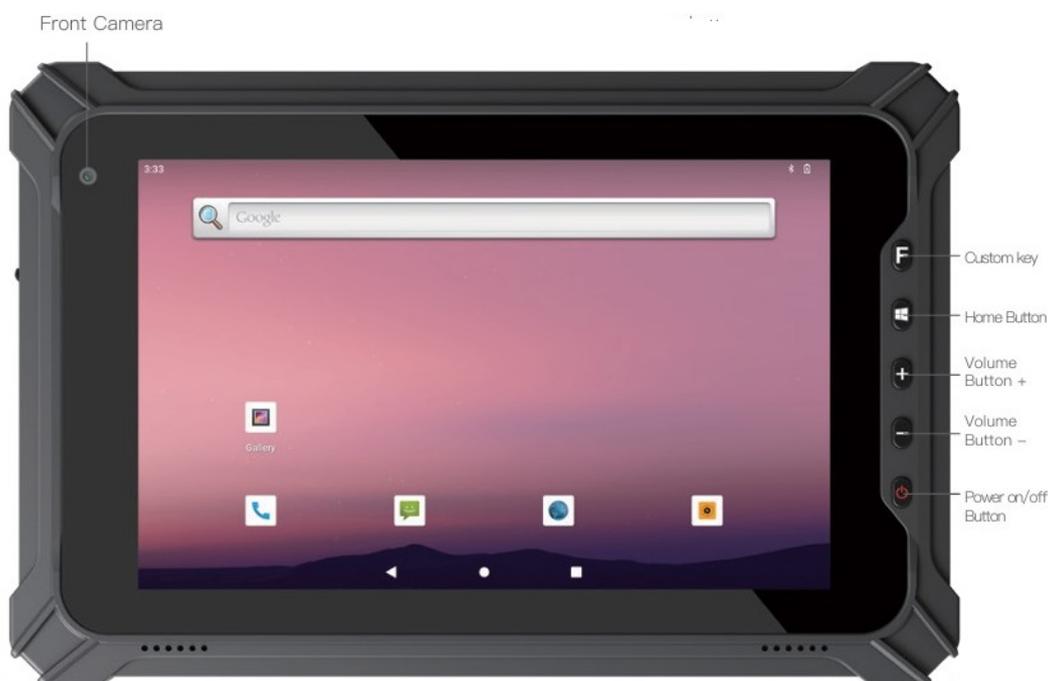
| | |
|---|---|
| **Dimensions** | 236.7mm x 155.7mm x 20mm |
| **Net weight** | 910g |

## Capacitive screen

Glass
ITO
Spacers    Spacers    Airgap
ITO
Glass

In the capacitive screen of the resistant EMDOOR T87X tablet, the device's reaction is not based on direct pressure on the surface, but on detecting changes in the electrostatic field at the point of touch. This solution allows for exceptionally precise and delicate operation even with a light touch. Additionally, the multitouch technology used allows for the simultaneous use of multiple touch points, which increases the comfort of work and allows for intuitive operation of the shock-resistant tablet with several fingers at the same time - even when wearing work gloves.

Connectors and buttons

USB 2.0 port

Audio port

Type C port

Front Camera

Custom key

Home Button

Volume Button +

Volume Button –

Power on/off Button

Gallery

The POGOPIN connector allows you to quickly connect a military tablet to the docking station.

pogo pin interface

## DATA COLLECTING

### Barcode scanner

The barcode reader installed in the warehouse tablet allows you to read, decode and send data stored in the barcode to the computer. Thanks to its dynamic scanning capabilities and wide reading range, the mobile industrial tablet accurately collects data, which helps increase work speed and efficiency. The whole thing can be launched quickly, because thanks to the simplified installation procedure and intuitive, convenient design, preparing the scanner for work is very easy.

| 2D Scanner | Zebra 4710 |
|---|---|

## RESISTANCE

### IP65 Protection

The IP65 standard, which this special-purpose tablet meets, determines the degree of protection provided by the device's housing against factors such as:

access to hazardous parts inside the housing, ingress of solid foreign bodies, and splashes or jets of water from any direction. The Emdoor T87X industrial tablet, thanks to its compliance with the IP65 standard, will work well both inside industrial halls and outside - regardless of weather conditions.

| | |
|---|---|
| **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 standard for resistance, used by the US Army, among others, which determines the resistance of equipment to harsh environmental conditions. The specialized Emdoor T87X tablet meets this standard, which means it is resistant to shock, drops, vibrations, high and low temperatures, moisture and dust. Although this standard was originally developed for military equipment, it is successfully used today in industry, logistics and mobile service and automation systems.

## 1.22m drop resistance

The specially designed, reinforced structure of the Emdoor T87X logistics tablet provides resistance to accidental drops from a height of up to 1.22 meters in working mode - even on hard surfaces. The device meets the rigorous requirements of the MIL-STD-810G standard, which confirms its durability in industrial and field environments.

## Extreme temperatures

Designed for field work, the Emdoor T87X tablet is designed for continuous operation in both very low and high temperatures ranging from -20°C to 60°C.

When the device is stored switched off, it can handle temperatures ranging from -30°C to 70°C. Additionally, the durable industrial tablet works great in rooms with increased humidity, ensuring proper operation even at 95% relative humidity.

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

## WIRELESS COMMUNICATION

### GPS Navigation

The Emdoor T87X waterproof industrial tablet is equipped with a precise GPS module, which combines low power consumption with high location accuracy. Navigation works quickly and stably, enabling effective positioning in the field and safe navigation even in difficult industrial and outdoor conditions.

### Bluetooth 5.2

The modern Bluetooth 5.2 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 T87X tablet supports dual-band Wi-Fi 802.11 a/b/g/n/ac, operating in the 2.4GHz and 5.8GHz ranges. This allows for quick access to local networks and the Internet both in the office and in the field, ensuring high stability and data transmission capacity.

| 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 T87X 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.

## Trade and Services

Thanks to its multifunctionality and simple operation, the drop-proof Emdoor T87X 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 T87X, 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.



## 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.

Wrist strap

The wrist rest increases the comfort and confidence in holding the tablet during long periods of work.

**Check**

## Extra battery



**Rechargeable Li-ion Battery**

Model:GLT-4088111-2P
2ICP4/88/111
Nominal Voltage:7.4V
Typical Capacity:5000mAh/37Wh
Limited Charge Voltage:8.4V
Date code:2020.9
CAUTION:
Do not disassemble ,crush,puncture,or short
external wires.Do not dispose of in fire or put
into water.If the bulging,do not continue to use.
Use specified charger only.
Shenzhen Great Electronic Technology Co.,Ltd.

S/N:

Made in China

Additional 5000mAh battery allows you to quickly replace a discharged battery.

**Check**

## Car holder

The car holder allows you to safely mount your  tablet in your vehicle.

**Check**

## Car holder with  1,5'' ball

The car holder allows you to safely mount your  tablet in your vehicle.

**Check**

# Car charger



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

Check

# Docking station

The docking station allows you to quickly and safely charge and sync your device.

**Check**

The professional Emdoor T87X 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 |
|---|---|---|
| Scanner 1D/2D | − | + |