



## Robust Dust-proof industrial laptop Emdoor X11 Standard

|                          |                                                        |
|--------------------------|--------------------------------------------------------|
| <b>Category:</b>         | Laptops - Rugged                                       |
| <b>Manufacturer:</b>     | EMDOOR                                                 |
| <b>Operating System:</b> | Windows 10 (without license)                           |
| <b>Display:</b>          | LED   Gorilla Glass 3   Scratch resistant              |
| <b>Brightness:</b>       | 350cd/m <sup>2</sup>                                   |
| <b>Touch screen:</b>     | Capacitive (10-points)                                 |
| <b>Processor:</b>        | Intel® Core™ M3-7Y30 (2x 1GHz)                         |
| <b>Graphics card:</b>    | Intel® HD Graphics 515                                 |
| <b>Memory:</b>           | 8GB DDR3L                                              |
| <b>Hard Drive:</b>       | 128GB SSD                                              |
| <b>Durability:</b>       | IP65   1m. drops   MIL-STD 810G                        |
| <b>Security:</b>         | IP65   1m. drops   MIL-STD 810G                        |
| <b>Sand and dust:</b>    | IP6X                                                   |
| <b>Waterproof:</b>       | IPX5                                                   |
| <b>Drop:</b>             | up to 1m.                                              |
| <b>Shock:</b>            | MIL-STD 810G                                           |
| <b>Vibration:</b>        | MIL-STD 810G                                           |
| <b>Temperature:</b>      | Work temp.: -20°C do 60°C Storage temp.: -30°C do 70°C |

|                                          |                                                                                                                     |
|------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>Humidity:</b>                         | 0 - 95%                                                                                                             |
| <b>1D barcode scanner (reader):</b>      | No (available in other version)                                                                                     |
| <b>2D barcode scanner (reader):</b>      | No (available in other version)                                                                                     |
| <b>RFID scanner (reader):</b>            | No                                                                                                                  |
| <b>Other:</b>                            | -----                                                                                                               |
| <b>Battery:</b>                          | 5000mAh/7.4V (tablet)                                                                                               |
| <b>Working time on battery:</b>          | 6 hours                                                                                                             |
| <b>Fast battery replacement ability:</b> | Yes                                                                                                                 |
| <b>HotSwap battery:</b>                  | No                                                                                                                  |
| <b>LAN:</b>                              | Yes                                                                                                                 |
| <b>WLAN:</b>                             | 802.11 a/b/g/n/ac                                                                                                   |
| <b>WAN:</b>                              | <b>3G/2G:</b> GSM/GPRS/EDGE Band (850&900&1800&1900 MHZ)WCDMA Band(850&900&1900&2100MHz)HSDPA 21MbpsHSUPA 5.76 Mbps |
| <b>Bluetooth:</b>                        | Bluetooth 4.1 (BLE)                                                                                                 |
| <b>GPS:</b>                              | u-Blox NEO-7 (GLONASS+QZSS+GPS)                                                                                     |
| <b>In/Out:</b>                           | Keyboard: RS232RS485 <b>RJ452x USB 2.0DC</b> Tablet: <b>USB 3.0Micro SD</b> SIM <b>HDMI CAudio JackDC</b>           |
| <b>Flash Card Reader:</b>                | Micro SD                                                                                                            |
| <b>Audio:</b>                            | Speakers 0.8W/8Ω   Audio Jack                                                                                       |
| <b>CD/DVD:</b>                           | No                                                                                                                  |
| <b>COM port:</b>                         | 2x DB9 (1x RS232, 1x RS485)                                                                                         |
| <b>Camera:</b>                           | Rear: 8Mpx, Front: 2Mpx                                                                                             |
| <b>Magnetic card reader (MSR):</b>       | No                                                                                                                  |
| <b>Microchip card reader:</b>            | No                                                                                                                  |
| <b>Keyboard:</b>                         | Yes - detachable                                                                                                    |
| <b>Additional Navigation Devices :</b>   | No                                                                                                                  |
| <b>Optional accessories:</b>             | -----                                                                                                               |
| <b>Docking station connector:</b>        | No                                                                                                                  |

|                                                    |                            |
|----------------------------------------------------|----------------------------|
| <b>VESA standard – holders and mounts support:</b> | No                         |
| <b>BIOS:</b>                                       | -----                      |
| <b>Chipset:</b>                                    | -----                      |
| <b>Swivel Hinge:</b>                               | -----                      |
| <b>Contrast:</b>                                   | -----                      |
| <b>VGA out:</b>                                    | No                         |
| <b>TV Out:</b>                                     | No                         |
| <b>TV Tuner:</b>                                   | No                         |
| <b>Casing material:</b>                            | -----                      |
| <b>Color:</b>                                      | -----                      |
| <b>Size:</b>                                       | 305 x 205 x 16.5mm - 3140g |
| <b>Fanless casing:</b>                             | Yes                        |

**Product from the Archive - production finished**

# EMDOOR

# IP65



# X 1 1

→ Description

→ Barcode scanner

→ Resistance and strength

→ Modules and wireless networks

→ Functionality

**The dustproof shockproof industrial laptop Emdoor X11** is a new proposition for an 11.6 - inch computer that works with Windows 10 Home or Professional. It is a "2 in 1" device because the laptop has a detachable keyboard and can be used as an industrial tablet. The laptop has a specially designed, reinforced structure, adapted to work in difficult environmental conditions, such as, for example, in production halls, where there is a lot of dust. The device works perfectly not only in typical industrial conditions, but also has a wide application in normal home conditions.

→ Description



The **Emdoor X11** industrial tablet is powered by the latest **Intel® Atom™ Z8350/Z8300** quad-core processor, which delivers superior performance, low power consumption and long battery life. The processor makes the device run very smoothly and without problems it is done in everyday work. The tablet works with the Windows® 10 operating system to meet the growing demands of industrial and more.

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| <b>Processor</b>          | <b>Intel® Core™ M3-7Y30 (2x 1GHz)</b>                                                 |
| Graphics                  | Intel® HD Graphics 515                                                                |
| <b>Display</b>            | <b>11.6" (1920*1080)</b>                                                              |
| Display Type              | LED   Gorilla Glass 3   Capacitive (10-points)   Scratch resistant                    |
| <b>LEDs</b>               | <b>Power</b>                                                                          |
| Brightness                | 350nits                                                                               |
| <b>RAM</b>                | <b>8GB DDR3L</b>                                                                      |
| Drive                     | 128GB SSD   256GB SSD (option)                                                        |
| <b>Connectors</b>         | <b>USB 3.0   Audio   HDMI C   Micro SD   SIM   RS232   RS485   RJ-45   2x USB 2.0</b> |
| GPS                       | u-Blox NEO-7 (GLONASS+QZSS+GPS)                                                       |
| <b>Audio</b>              | <b>Speaker 0.8W/8Ω   Audio Jack</b>                                                   |
| Camera                    | Front: 2Mpx<br>Back: 8Mpx (USB)                                                       |
| <b>Battery (tablet)</b>   | <b>7.4V 5000mAh</b>                                                                   |
| <b>Battery (keyboard)</b> | <b>7.4V 6300mAh (optional)</b>                                                        |
| Buttons                   | Power   Volume +/-   Windows Home   Scan   System keyboard                            |
| <b>System (optional)</b>  | <b>Windows 10 Pro with Bing   Windows 10 Home with Bing</b>                           |

Modules (factory) 802.11 a/b/g/n | Bluetooth 4.1 (BLE) | GSM/3G | GPS

Modules (optional) 4G LTE

**Weight and dimensions** 305 x 205 x 16.5mm - 3140g

Resistance IP65

**Readers (optional)** 1D/2D Scanner

Sensors (factory) G-Sensor, e-compass, gyroscope

**Warranty** 12 months

Check the "Available Versions" tab for the version of your device. For additional information on the device, click on "Ask a product" or go to the [contact form](#).

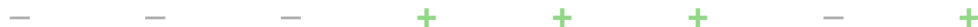


## Choose a version that suits your needs

Choose the version that fits your needs and needs. By clicking on the hardware configuration number you will be redirected to the product with the parameters listed below. Any additional configuration is valued at customer's request. Detailed parameters are available in the **"Technical Data"** tab.

|              | v.1 | v.2 | v.3 | v.4 | v.5 | v.6 | v.7 | v.8 |
|--------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 4G LTE       | —   | +   | —   | —   | +   | —   | +   | +   |
| 2D Honeywell | —   | —   | +   | —   | —   | +   | +   | +   |

256GB SSD



→ Barcode scanner

## Barcode reader (optional)

A bar code reader enables you to read, decode and send data to a computer written in a bar code. With dynamic scanning capabilities and a large reading range, the data collector gets the data accurately, helping to increase speed and productivity. You can quickly launch the scanner because of the simplified installation procedure and intuitive, convenient construction of the scanner to work is very easy.



|                |                |                 |
|----------------|----------------|-----------------|
| Model scanner  | Motorola SE655 | Motorola SE4710 |
| Scanner type   | 1D             | 1D/2D           |
| Type of matrix | CCD            | CMOS            |



→ Resistance and strength

## The standard of resistance, that is the strength of the tablet

Emdoor X11 is designed for use in a variety of environments. Resistance to shocks, vibrations, falls and work over a wide temperature range makes the tablet able to be used in both industrial and military environments. IP67 is fully water and dust resistant. The enclosure can be cleaned with water to reduce the spread of infection. for medical use.



|                     |                   |
|---------------------|-------------------|
| Working temperature | -20°C -- +60°C    |
| Tempetarure of rest | -30C -- +70°C     |
| Dust                | IP6x              |
| Water               | IPx5              |
| Humidity            | 95% non-condensig |
| Drop                | 1m                |

### MIL-STD-810G

Robustness is one of the most important factors to consider when choosing a mobile solution, so EMDOOR ensures that its fully durable devices work even after falling to concrete or used in harsh environmental conditions such as heat and cold, dust and rain. The rigorous testing that passes the EMDOOR products ensures that our customers receive products that meet the highest standards of durability and reliability. EMDOOR guarantees compliance with the most stringent standard in the field - **MIL-STD 810G** according to which its products are tested. This standard, established by the US military, is the most widely used international standard.

**MIL-STD 810G** covers a wide range of tests used to measure equipment reliability:

New Portable Devices | NIP: 872-120-56-82 | Mobile.: +48 508 235 505 | e-mail: sklep@mobilator.pl

**Hight temperature: MIL-STD 810G Method 501.5** Account number: ALIOR BANK SA 68 2490 0005 0000 4500 2328 8078

This procedure determines the computer performance test during exposure at high temperatures. This test differs from the

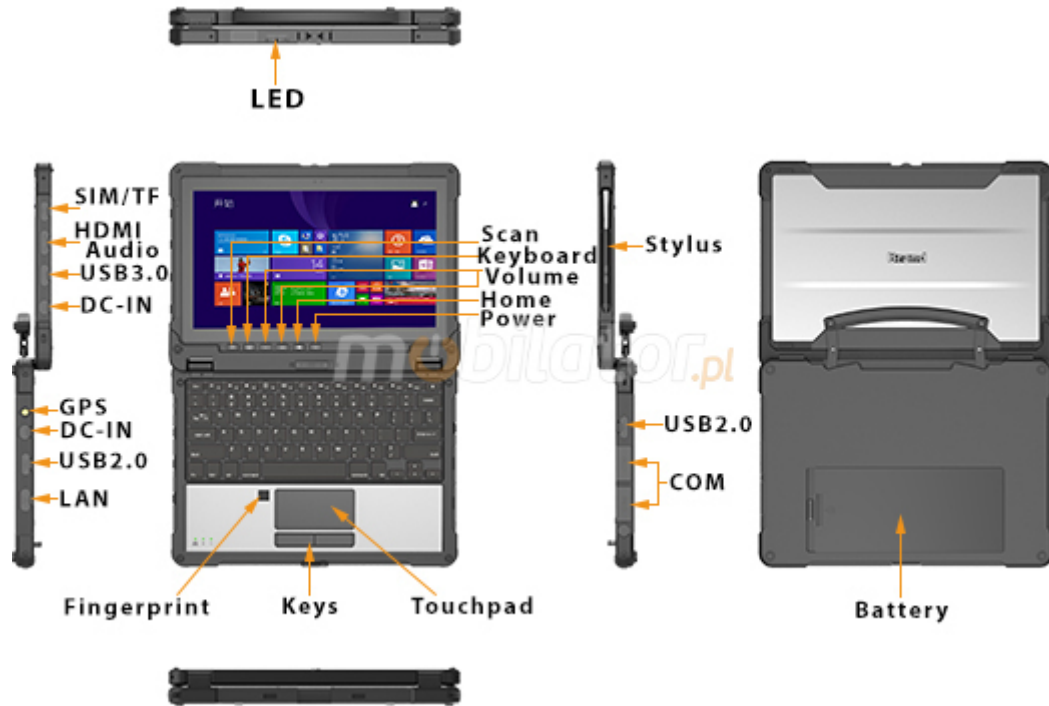
## → Modues and wireless networks

With the **3G module** it is enough (**4G LTE - optional**) that the user inserts the SIM card into a special slot and can immediately connect to the Internet. Integrated software allows you to automatically recognize and configure connections to mobile networks. In addition, the internal 3G module adapts automatically to the transfer and network coverage. Built-in speaker and microphone for voice calls.

|               |                                                                                                            |
|---------------|------------------------------------------------------------------------------------------------------------|
| WIFI          | 802.11 a/b/g/n/ac                                                                                          |
| GPS           | u-Blox NEO-7 (GLONASS+QZSS+GPS)                                                                            |
| Bluetooth     | Bluetooth 4.1 (BLE)                                                                                        |
| 3G            | GSM/GPRS/EDGE Band(850&900&1800&1900 MHZ), WCDMA Band(850&900&1900&2100MHz), HSDPA 21Mbps, HSUPA 5.76 Mbps |
| 4G (optional) | LTE: B1/B2/B3/B4/B5/B7/B8/B13/B17/B20                                                                      |



## → Functionality



Access to real-time information is very important for mobile users. The Emdoor X11 offers a number of modules (3G, 4G LTE, GPS, WiFi, Bluetooth) that allow users to connect in the way that best suits their needs. With a built-in rear 5 megapixel camera, users can take high quality pictures and videos. The X11 can also use a front 2-megapixel camera for video and video recording.



|               |                    |
|---------------|--------------------|
| <b>Size</b>   | 305 x 205 x 16.5mm |
| <b>Weight</b> | 3140g              |

## Removable keyboard

The Emdoor X11 industrial laptop offers the perfect balance between mobility and comfort of use thanks to the possibility of detaching the keyboard, which allows you to easily and quickly convert your laptop into a convenient, portable tablet with a touch screen. Thanks to this solution, X11 can be used in any place at any time.



[more photos in the "Gallery"...](#)

[the specification of the version is available in the tab "Technical data" ...](#)