# Rugged Tablet MobiPad EM-I12W v.7

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|---|---|
| **Category:** | UMPC - Ruggedized |
| **Manufacturer:** | EMDOOR |
| **Operating System:** | Windows 8.1 (optional)Windows 10 (optional)**Windows 10 with Bing** (optional - 34 euro) |
| **Display:** | 10.1” (1280*800) 16:10LED \| IPS \| GORILLA GLASS 3 |
| **Brightness:** | 400nits |
| **Processor:** | Intel® Atom™ Processor Z3735D/Z3735F (QUAD CORE 1.33 - 1.83GHz) |
| **Memory:** | 2GB DDR3L |
| **Hard Drive:** | 32GB FLASH |
| **Touch screen:** | Yes - capacitive (10-points) |
| **Durability:** | IP65 |
| **Drop:** | 1.2m (MIL-STD-810G Method 516.6) |
| **Shock:** | MIL-STD-810G |
| **Vibration:** | MIL-STD-810G |
| **Temperature:** | Operating: -20°C -- +60°CStorage temperature: -40°C -- +80°C**MIL-STD-810G** |

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| **Humidity:** | ----- |
| **1D barcode scanner (reader):** | **1D (CCD) Motorola SE655E100R** |
| **2D barcode scanner (reader):** | ----- |
| **RFID scanner (reader):** | ----- |
| **Other:** | G-Sensor |
| **Battery:** | Li-Poly 3.7V 10000mAh |
| **Working time on battery:** | 7-9 hours (depending on usage) |
| **Fast battery replacement ability:** | Yes |
| **HotSwap battery:** | No |
| **LAN:** | ----- |
| **WLAN:** | 802.11 a/b/g/n |
| **Bluetooth:** | Bluetooth 4.0 |
| **WAN:** | **Yes - WCDMA** |
| **GPS:** | ----- |
| **Camera:** | Front: 2MpxRear: 5Mpx |
| **In/Out:** | mini HDMI 1.4a (type C)Micro-SD ReaderUSB 2.0micro USB (OTG)Docking portDC In |
| **Optional accessories:** | Docking Station1x - Charging port (device)1x - Charging port (battery)3x - USB 2.01x - RJ451x - DC InWrist StrapShoulder Strap |
| **Docking station connector:** | Yes |
| **VESA standard – holders and mounts support:** | No |
| **COM port:** | No |
| **Magnetic card reader (MSR):** | ----- |
| **Microchip card reader:** | ----- |
| **Contrast:** | ----- |
| **Graphics card:** | Intel HD Graphic (Gen7) |
| **Chipset:** | ----- |
| **BIOS:** | ----- |

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| **Casing material:** | ----- |
| **Flash Card Reader:** | microSD |
| **CD/DVD:** | ----- |
| **Audio:** | Built-in Microphone \| Audio Jack \| 2x - Speaker 0.8W/8Ω |
| **Keyboard:** | on-Screen \| Function keysVolume + \| Volume - \| Power \| Home \| Functional |
| **Additional Navigation Devices :** | ----- |
| **Color:** | ----- |
| **Swivel Hinge:** | ----- |
| **VGA out:** | ----- |
| **TV Out:** | ----- |
| **TV Tuner:** | ----- |
| **Security:** | IP65 \| MIL-STD-810G |
| **Waterproof:** | IP6x |
| **Sand and dust:** | IPx5 |
| **Size:** | 272 x 195 x 22mm - 700 (with battery) |
| **Fanless casing:** | Yes |

## Product from the Archive - production finished

MobiPad I12W is a new proposal 10.1 - inch tablet works with Windows 8.1 / 10. The tablet has a specially designed, reinforced structure, adapted for use in harsh environmental conditions. The device works great when in the home and industrial use.

MobiPad I12W is offered with the latest quad-core Intel® Atom ™ processor Z3735D / Z3735F to ensure the highest performance, low power consumption and long battery life. The tablet works with Windows 10 operating system to meet the growing requirements in industrial applications.

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|---|---|
| Processor | Intel® Atom™ Processor Z3735D/Z3735F (QUAD CORE 1.33 - 1.83GHz) |
| Graphics | Intel HD Graphic (Gen7) |
| Display | 10.1” (1280*800) 16:10 |
| Type of display | LED \| IPS \| Gorilla Glass 3 \| Capacitive (10-points) |
| LED | Power |
| Brightness | 400nits |
| RAM | 2GB DDR3L |
| ROM | 32GB FLASH |
| Connectors | mini HDMI 1.4a \| Micro-SD Reader \| USB 2.0 \| micro USB \| Docking \| DC In |
| GPS (optional) | Unicorecomm UM220-III (GPS+Beidou) |
| Audio | Built-in Microphone \| Audio Jack \| 2x - Speaker 0.8W/8Ω |
| Camera | FRONT: 2Mpx |
| | REAR: 5Mpx |
| Battery | Li-Poly 3[illegible] |
| Keyboard | On-Screen \| Functional keys |

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| Dimensions | 272*195*22mm - 700g (with battery) |
| Resistance | IP65 |
| Readers (optional) | **3G \| RFID HF \| 1D Scanner \| 1D/2D Scanner \| Fingerprint** |
| Sensors (factory) | G-Sensor |
| Warranty | 12 months |

Refer to the "Technical Data" overlap - what possibility have subsequent versions of the devices. To gain additional information about the product click on the "Ask about the product" or go to the contact form.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 3G | – | ✓ | – | ✓ | – | – | ✓ | – |
| GPS | – | – | ✓ | ✓ | – | – | – | – |
| RFID HF | – | – | – | – | ✓ | – | – | – |
| 1D (CCD) | – | – | – | – | – | ✓ | ✓ | – |
| 2D (CMOS) | – | – | – | – | – | – | – | ✓ |
| Fingerprint | – | – | – | – | – | – | – | – |

## Barcode Scanner (optional)

Quick and accurate identification of the object relieves the warehouseman and does not create a bottleneck in logistics processes. 2D barcode reader allows you to read, decode and send to your data stored in the bar code.With dynamic scanning capabilities and wide range of reading MobiPad device and I12W quickly and accurately retrieves the data, which helps to increase the rate and efficiency.

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

## RFID (optional)

RFID technology has aroused great worldwide interest. Is expected to solve many of the problems with fast and faultless identification of people and equipment. Its development is more turbulent than gradually Introduced barcodes. RFID technology is cheap, reliable and versatile. RFID (Radio-Frequency Identification) is a technology used to identify objects and flow control products.

| | RFID HF |
|---|---|
| Frequency | 13.56 MHz |
| Reading distance | to 4 cm |
| Supported standards | ISO14443 A/B |
| | ISO15693 |

## Standards

In terms of device ruggedness, the I12W can withstand a 4-foot drop, and with IP65 sealing, where the first digit "6" means the device is dustproof and the second digit "5" means that the device has the ability to handle low pressure water jets from all directions. The tablet can operate in temperature range of -20° to 60°C, optimized for most industrial deployments. I12W is a sharp looking, sturdy and powerful device that can hold up well against use in harsh environment with its industrial grade rugged design.

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| Operating temperature | -10°C -- +60°C |
| Storage temperature | -20C -- +70°C |
| Dust | IP6x \| MIL-STD 810G 510.5 |
| Water | IPx5 \| IEC529 (JIS C0920) MIL-STD810G 506.5-III |
| Drop | MIL-STD-810G Method 516.6 - 4ft./1.2m |

**MIL-STD 810G**

Durability is one of the most important factors to consider when choosing mobile solutions, which is why Getac ensures that its fully rugged units operate even when dropped onto concrete, or used in harsh environmental conditions such as heat and cold, dust and rain. Rigorous tests that pass Getac products ensures that our customers receive products that meet the highest standards of durability and reliability. Getac ensures compliance with the most rigorous standards in this area - **MIL-STD 810G** according to test its products. This standard, set by the US military, is the most widely used international standard.

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

**High Temperature: MIL-STD 810G Method 501.5**
This test procedure determines computer's operating performance during exposure to high temperatures. This test differs from the standard test that the computer is evaluated under conditions of elevated temperature.

**Low Temperature: MIL-STD 810G Method 502.5**
This test procedure determines computer's operating performance during exposure to low temperature. This test differs from the standard test that the computer is evaluated under conditions of low temperature.

**Changing Temperatures: MIL-STD 810G Method 503.5**
Research on temperature changes is to determine whether the components can withstand sudden changes in the surrounding temperature and do not cause of damage or deterioration in performance.

In this study they are to establish two goals: whether the test item can still be safely operated, and whether it meets the requirements, after being exposed to sudden changes in ambient temperature.

**Rain: MIL-STD 810G Method 506.5**
Tested rain is conducted in order to determine the resistance to rain and wind-driven rain.

**The collapse of MIL-STD 810G Method 516.6**
Tests of free fall (shock) are performed to ensure that equipment can withstand relatively infrequent, non-repetitive shocks and vibrations encountered during handling, transportation and collisions.

New Portable Devices | NIP: 872-120-56-82 | Mobile.: +48 508 235 505 | e-mail: sklep@mobilator.pl
Account number: ALIOR BANK SA 68 2490 0005 0000 4500 2328 8078

Winmate describes the M101B tablet as "rugged" and with its corner protection it certainly looks much tougher than all those Barbie-thin and fragile consumer tablets. MobiPad's experience in rugged mobile computing, we assume those are just partial specs.

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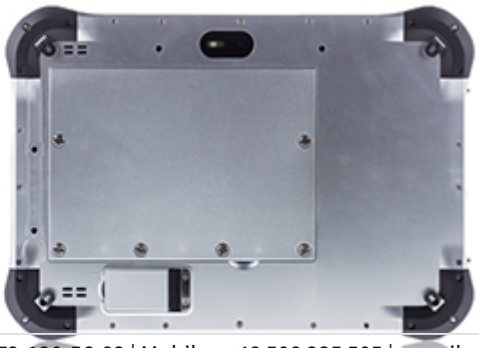
| WIFI | 802.11 a/b/g/n |
| GPS (optional) | Unicorecomm UM220-III (GPS+Beidou) |
| Bluetooth | Bluetooth 4.0 |
| 3G (optional) | WCDMA (850 / 900 / 1900 / 2100 MHz) |



Real-time data access to the right information is very important to mobile users. I12W offers 3G, GPS, WiFi 802.11 a/b/g/n, Bluetooth 4.0 which enable users to get connect in the way that best suits their needs. With built-in 5.0 Mega Pixels camera on rear side, users can capture photos, videos, documents instantly, or utilize the front 2.0 Mega Pixel camera for application such as user self video recording, or video communication.

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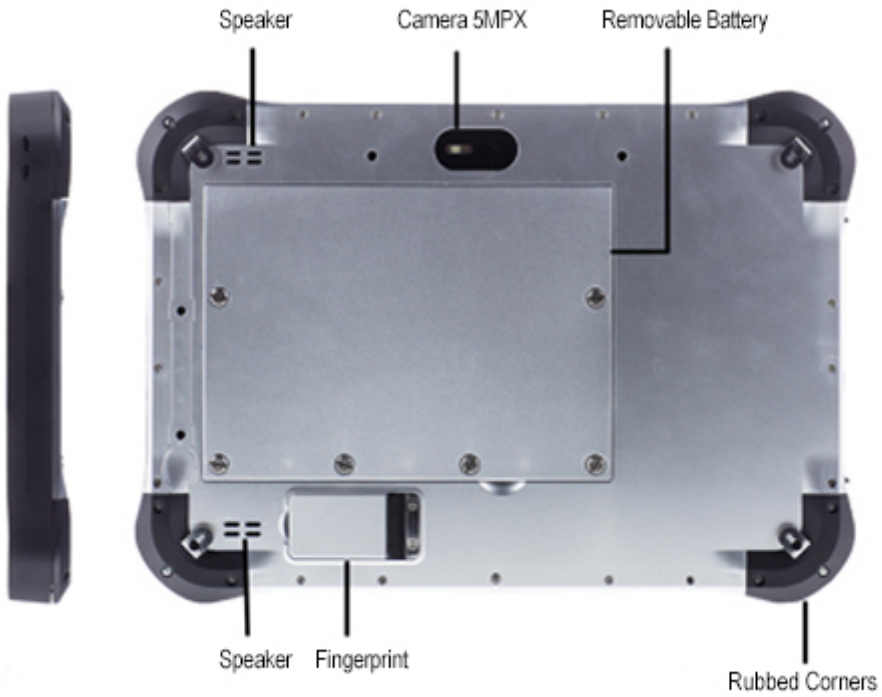
| **Dimensions** | 272 x 195 x 22mm |
| **Weight** | 700g |

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## Docking Station

The docking station (optional) enables simultaneous battery charging device and the battery itself. When you dock your device will be extended to additional ports located directly at the station. You can buy an accessory in the "Accessories" or direct contact with the shop.

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| **Available ports** | 2x - charging ports \| 3x - USB 2.0 \| RJ45 \| DC In |

## Wrist Strap

Working comfort with the device can help you by buying durable strap (optional). It provides a stable position or facilitate safe movement on the tablet.