Rugged Tablet MobiPad EM-I12W v.13

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	**Windows 10 Home with Bing** (optional) **Windows 10 Pro with Bing** (optional)
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:	**64GB 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**

Humidity:	-----
1D barcode scanner (reader):	**1D (CCD) Motorola SE655E100R**
2D barcode scanner (reader):	-----
RFID scanner (reader):	**RFID HF (13.56MHz)**ISO14443 A/BISO15693
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:	**Unicorecomm UM220-III (GPS+Beidou)**
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:	-----

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.

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

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.

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 MobiPad 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 MobiPad products ensures that our customers receive products that meet the highest standards of durability and reliability. MobiPad 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.

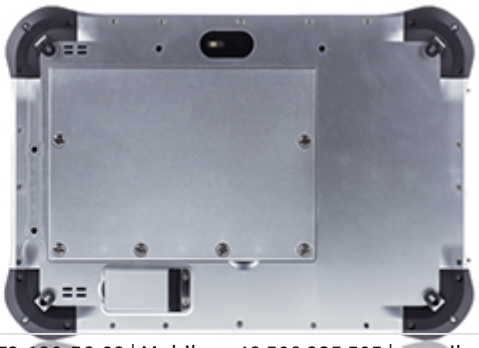
Rain: MIL-STD 810G Method 506.5
Tested rain is conducted in order to determine the resistance to rain and wind-driven rain.

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

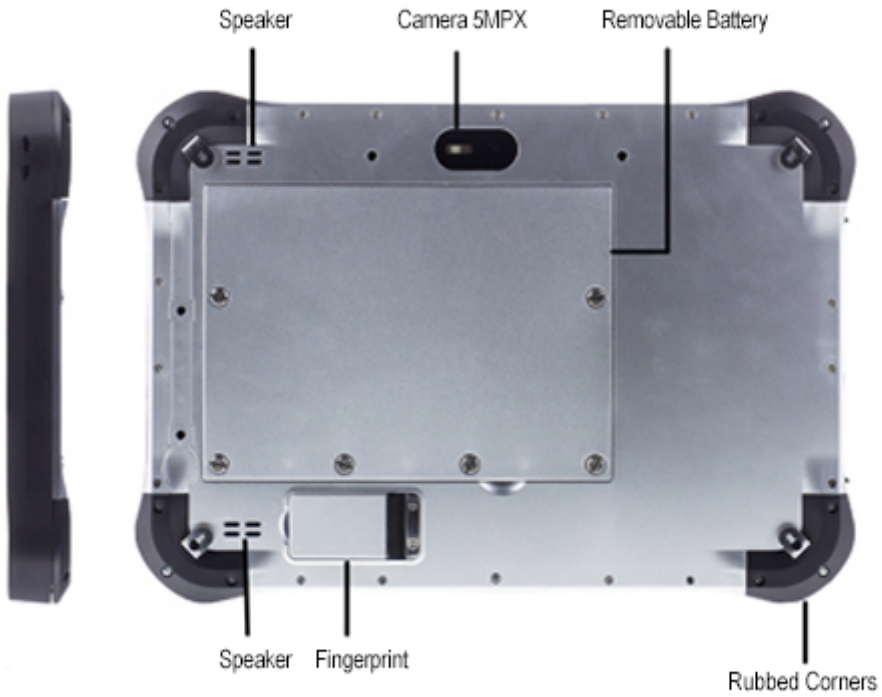
Winmate describes the M101B tablet as "rugged" and with its corner protection it certainly looks much tougher than all those Barbie-thin and fragile consumer tablets. MobiPad's experience in rugged mobile computing, we assume those are just partial specs.

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.

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.

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.