Rugged Tablet MobiPad EM-I8A v.5

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android™ 4.4.4
Display:	10.1” (1280*800) 16:10LED | IPS | DRAGONTRAIL
Brightness:	320nits
Processor:	Intel® Atom™ Processor Z3735D/Z3735F (QUAD CORE 1.33 - 1.83GHz)
Memory:	2GB DDR3L
Hard Drive:	32GB eMMc64GB eMMc (optional)
Touch screen:	Yes - capacitive (5-points)
Durability:	IP67
Drop:	1.2m - the entire temperature rangeMIL-STD-810G
Shock:	MIL-STD-810G
Vibration:	MIL-STD-810G
Temperature:	Operating: -20°C -- +60°CStorage temperature: -30°C -- +70°C**MIL-STD-810G**

Humidity:	95% non-condensing
1D barcode scanner (reader):	**MOTOROLA SE655 (CCD)**Interface - COM
2D barcode scanner (reader):	-----
RFID scanner (reader):	-----
Other:	G-Sensor
Battery:	Litowo-Polimerowa 3.7V 8300mAh
Working time on battery:	7-9 hours (depending on usage)8hrs(default 50% volumn default 200 nit brightness play 1080P HD Video)
Fast battery replacement ability:	Nie
HotSwap battery:	No
LAN:	-----
WLAN:	802.11 a/b/g/n
Bluetooth:	Bluetooth 4.0 (LE)
WAN:	**GSM/WCDMA (850 / 900 / 1900 / 2100 MHz) HSUPA**4G LTE FDD/LTE | TDD/WCDMA/TD-SCDMA/GSM - optional
GPS:	**u-Blox NEO-7 (GLONASS+QZSS+GPS)**Unicorecomm UM220-III (GPS+Beidou) - (optional)
Camera:	FRONT: 2MpxREAR: 5Mpx
In/Out:	1x - mini HDMI 1.4a (type C)1x - Micro-SD Reader1x - USB 2.01x - micro USB (OTG)1x - Docking port - (12pin) Pogo Pin1x - Audio JackDC In
Optional accessories:	Docking Station1x - Charging port (device)
Docking station connector:	Yes - (12pin) Pogo Pin
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:	Micro-SD Card Reader (wsparcie SDHC/SDXC)max. 64GB
CD/DVD:	-----
Audio:	Built-in Microphone | 1x - Głośnik 0.8W/8Ω | Audio Jack
Keyboard:	on-Screen | Function keysVolume + | Volume - | Power | Home | Functional (Barcode Trigger)
Additional Navigation Devices :	-----
Color:	-----
Swivel Hinge:	-----
VGA out:	-----
TV Out:	-----
TV Tuner:	-----
Security:	IP67
Waterproof:	IP6x
Sand and dust:	IPx7
Size:	228 x 147 x 16.5mm630g (with battery)
Fanless casing:	Yes

Product from the Archive - production finished

MobiPad I8A is a new proposal 8 - inch tablet works with Windows 8.1. 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 I8A 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 8.1 operating system to meet the growing requirements in industrial applications.

Processor	Intel® Atom™ Processor Z3735F (QUAD CORE 1.33 - 1.83GHz)
Graphics	Intel HD Graphic (Gen7)
Display	8” (1280*800) 16:10
Type of display	LED | IPS | Dragontrail | Capacitive (5-points)
LED	Power
Brightness	320nits
RAM	2GB DDR3L
ROM	32GB eMMc
Connectors	HDMI 1.4a | Micro-SD Reader | USB 2.0 | micro USB | Docking port | DC In
GPS (factory)	u-Blox NEO-7 (GLONASS+QZSS+GPS)
GPS (ptional)	Unicorecomm UM220-III (GPS+Beidou)
Audio	Built-in MIC | 1x - Speaker 0.8W/8Ω | Audio Jack
Camera	FRONT: 2Mpx
	REAR: 5Mpx
Battery	Li-Poly 3.7V 8300mAh
Keyboard	on-Screen | Functional keys

Dimensions	228*147*16.5mm - 630g (with battery)
Resistance	IP67
Sensors (optional)	**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.

Select the version dedicated to yourself

Select a version tailored to your needs. Clicking on the hardware number configurations will redirect you to the product with parameters listed below. At the customer's request can be created configurations which are not available in the offer. Detailed parameters are available in the **"Technical Data"**.

1D (CCD)	–	–	–	–	✓	✓	✓	✓	–	–	–	–
2D (CMOS)	–	–	–	–	–	–	–	–	✓	✓	✓	✓
Fingerprint	–	✓	–	–	–	–	–	✓	–	–	–	✓

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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 I8A 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

NFC (optional)

Near field communication (NFC) is a set of ideas and technology that enables smartphones and other devices to establish radio communication with each other by touching the devices together or bringing them into proximity to a distance of typically 10 cm (3.9 in) or less.

	NFC
Frequency	13.56 MHz
Reading distance	to 4 cm
Supported standards	ISO14443 A/B
	ISO15693
	ISO18092

Fingerprint (optional)

Standards

In terms of device ruggedness, the I8A 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. I8A 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	-20°C -- +60°C
Storage temperature	-30C -- +70°C
Dust	IP6x
Water	IPx5
Humidity	95% non-condensing
Drop	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.

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Winmate describes the I8A 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 (factory)	u-Blox NEO-7 (GLONASS+QZSS+GPS)
GPS (optional)	Unicorecomm UM220-III (GPS+Beidou)
Bluetooth	Bluetooth 4.0 (LE)
3G (factory)	GSM/WCDMA (850 / 900 / 1900 / 2100 MHz)
4G (optional)	LTE FDD/LTE | TDD/WCDMA/TD-SCDMA/GSM

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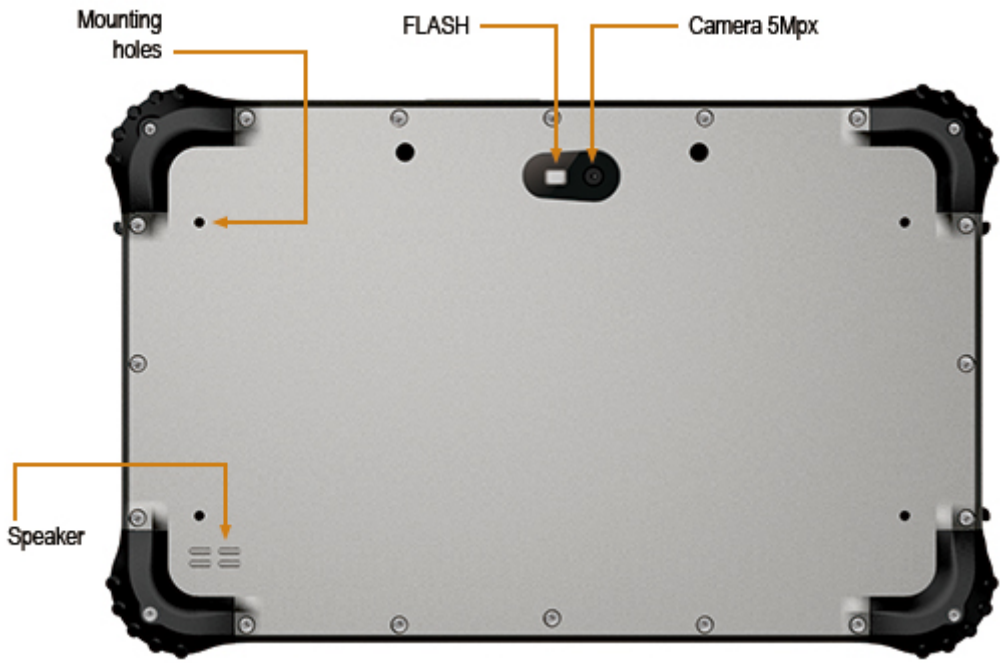
Real-time data access to the right information is very important to mobile users. I8A offers 3G, GPS, WiFi 802.11 a/b/g/n, Bluetooth 4.0 which enable users to get connect in the way that best suits their needs. With built-in 5.0 Mega Pixels camera on rear side, users can capture photos, videos, documents instantly, or utilize the front 2.0 Mega Pixel camera for application such as user self video recording, or video communication.

Dimensions	228 x 147 x 16.5mm
Weight	630g (with battery)



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Docking station (optional)

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	3x - USB 2.0
	1x - RJ45
	1x - DC In
Weight	290g

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more photos in the "**Photo Gallery**" ...

specification of this version is available in the "Technical data" ...