



Industrial Data Collector MobiPad A8T0 with 2D EM3090 + NFC v.4.1

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 8.1
Display:	4.5" (480x852) - capacitive
Brightness:	-----
Processor:	MTK6737 Quad Core 2.0GHz
Memory:	2GB
Hard Drive:	-----
Flash Memory:	16GB
Touch screen:	Yes
Durability:	IP66
Drop:	1.2 meters
Shock:	-----
Vibration:	-----

Temperature:	Operating temperature: -20°C -- +55°CStorage temperature: -25°C -- +70°C
Humidity:	5 - 95% (no condensation)
1D barcode scanner (reader):	Optional
2D barcode scanner (reader):	2D Newland EM3090
RFID scanner (reader):	NFC (13.56MHz) ISO 14443 A, ISO 14443 B, ISO 15693Mifare
Other:	-----
Battery:	3.7V 4200mAh Li-Ion
Working time on battery:	7-8 hours
Fast battery replacement ability:	No
HotSwap battery:	-----
LAN:	No
WLAN:	802.11 a/b/g/n
Bluetooth:	Bluetooth 4.0
WAN:	LTE-FDD B1 B3 B8 LTE-TDD B38 B39 B40 B41 WCDMA 2G/3G/4G Band1 Band8 TD-SCDMA Band34 Band39 CDMA BC0 DCS1800
GPS:	Built-in
Camera:	8Mpx
In/Out:	1 x USB 2.0, 1x USB Type C, 1 x Micro SD (max.32GB), 1 x Micro-SIM
Optional accessories:	-----
Docking station connector:	No
VESA standard – holders and mounts support:	-----
COM port:	No
Magnetic card reader (MSR):	-----
Microchip card reader:	-----
Contrast:	-----
Graphics card:	-----
Chipset:	-----

BIOS:	-----
Casing material:	high quality plastic and rubber
Flash Card Reader:	microSD (max. 32GB)
CD/DVD:	-----
Audio:	Built-in Speaker : Microphone
Keyboard:	Alphanumeric (+ function keys) : On-screen
Additional Navigation Devices :	-----
Color:	black
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	-----
Security:	IP66
Waterproof:	IPX6
Sand and dust:	IP6X
Size:	166 × 77.5 × 22mm- 500g
Fanless casing:	Yes

Product from the Archive - production finished



Bluetooth®



4G



MobiPad A8T0 has a specially designed, reinforced structure, adapted to harsh environmental conditions. Similarly, as the equipment produced for the military, meets the requirements of IP66 norm. Thanks to its structure is resistant to dust and water. The device is proper for use in the home and industry.



Processor(CPU)	MTK6737 ARM Cortex-A53 Quad-core 2.0GHZ
Display	4.5" (480*854) IPS HD Color Touch Screen
RAM	2GB
ROM	16GB
Connectors	USB-Typ C Micro SD/TF card slot (max. 32GB) Micro-SIM
GPS	Built-in GPS Support A-GPS(optional)
Audio	Speaker Microphone
Camera(optional)	8Mpx
Battery	3.7V 4200mAh Li-Ion(Duration 7-8h)
Keyboard	Vitual qwerty keyboard and actual figure button
Environment	Android 8.1
Modules	GPS /4G/3G/2G WiFi Bluetooth NFC
Dimensions	166mm*77.5mm*22mm*500g
Resistance	IP66

Readers

1D (Mindeo 1D uE966)* / Honeywell N4313*

2D (Newland EM3090) / Newland EM3096* / Honeywell N6603*

*

Optional equipment, available on specific versions only.

Select a version for each other

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"**.

	v.0	v.0.1	v.0.1	v.0.1	v.0.1	v.1
NFC		—	—			—
scanner 1D Honeywell N4313	—	—		—		—
scanner Mindeo SE966	—		—		—	—
scanner 2D Newland E483	—	—	—	—	—	
scanner 2D Honeywell N3603	—	—	—	—	—	—
scanner 2D Honeywell N6603-W3	—	—	—	—	—	—
	v.2	v.3	v.1.1	v.2.1	v.2.2	
NFC	—		—			
scanner 1D Honeywell N4313	—	—	—	—	—	
scanner Mindeo SE966	—	—	—	—	—	
scanner 2D Newland E483	—	—	—		—	
scanner 2D Honeywell N3603	—	—		—		
scanner 2D Honeywell N6603-W3			—	—	—	

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Warehouse inventory



Fruit store



Retailers super

Data collector MobiPad A8T0 can be used for projects like: supermarket cashless payment, inventory management and logistics tracking. Device will be also good option to business data management and other services.

Operating temperature: -20 ° C ~ 55 ° C

Operating Humidity: 5% ~ 95%



Clothing shop



Warehouse management

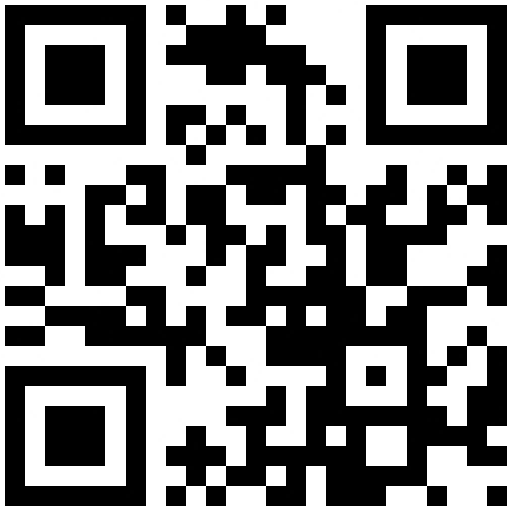


Library

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Barcode Scanner 2D

Barcode Reader allows you to read, decode and transfer stored data in barcode to your computer. Thanks to dynamic scanning method and the large range of reading, data collector is capable to carefully collecting data, which helps to increase the rate and efficiency of work. Simplified installation procedure, convenient and intuitive design allow to start scanner work very easy and quickly.



Near Field Communication (NFC)

Its 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 or less. NFC devices are used in contactless payment systems, similar to those used in credit cards and electronic ticket smartcards and allow mobile payment to replace/supplement these systems. NFC is used for social networking, for sharing contacts, photos, videos or files.

	RFID (HF) NFC
Frequency	13.56 MHz
Reading distance	od 1 do 5 cm
Supported card standard	Mifare Write/Read
Supported standards	ISO 14443 A/B
	ISO 15693

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Applicable standards

Operating	-15°C -- +60°C
Storage	-20°C -- +70°C
Humidity	0% - 90% RH non-condensing
Dust	IP6x (dust)
Water	IPx5 (water)
Drop	1.2m



IP66 Resistance

IP stands for Ingress Protection and is essentially a rating system developed by the International Electrotechnical Commission or IEC. This system is now being used to classify different degrees of protection against intrusion or immersion. The IP rating is usually followed by two digits. The first indicates the level of dust-resistance, the second water resistance. Dust-resistance levels goes from 0 up to 6 while water resistance goes from 0 to 8.

No special protection	0		0	No waterproofing
Protection from solid objects greater than 50mm in diameter	1		1	Protection from dripping water

When device is equipped with the **WCDMA** module, you need only insert a SIM card in the special slot and you are able instantly connect to the internet. Integrated software allows you to automatically detect and configure connections to mobile networks. Internal **4G** module allows you to use MobiPad A8T0 devices are used in contactless payment systems, similar to those used in credit cards and electronic ticket smartcards. NFC mobile payment to replace/supplement these systems. NFC is used for social networking, for sharing contacts, photos, videos or files.

WiFi	802.11 b/g/n
GPS	Yes
Bluetooth	Bluetooth v4.0
WWLAN(4G/3G/2G)	LTE-FDD B1 B3 B8
	LTE-TDD B38 B39 B40 B41
	WCDMA Band1 Band8
	TD-SCDMA Band34 Band39
	CDMA BC0
	DCS1800
	EGSM900



You no longer need to worry about whether you will put your device into a briefcase, backpack or travel bag, the problem disappears when you have MobiPad A8T0. The device weighs just 500g and its dimensions (166 x 77.5 x 22mm) allow you to take this device everywhere. Professional performance and energy efficiency makes, that A8T0 is in a group of devices which enjoy great popularity in the European market in the industrial segment.

Dimensions

166 × 77.5 × 22mm

Weight

500g

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

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