



MobiPAD A311-R2 v.10 - industrial tablet with an efficient 8-core processor, UHF RFID (range up to 4 meters), Wifi and Bluetooth 5.0, NFC, 16GB RAM and 512GB ROM

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 12
Display:	10.1" (1920 x 1200)
Brightness:	450 nits
Processor:	RK3588 (8x2.1GHz)
Memory:	16GB
Hard Drive:	512GB SSD
Flash Memory:	-----
Touch screen:	Capacitive
Durability:	IP65
Drop:	1.2m
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- 60°C Storage temperature: -25°C -- 80°C
Humidity:	0% -- 100%
1D barcode scanner (reader):	-----

2D barcode scanner (reader):	No (Option)
RFID scanner (reader):	NFC 13,56MHz + UHF RFID 900MHz (3-4m)
Other:	High precision GPS (optional), Fingerprint (optional)
Battery:	6000mAh / 7.6V Lithium
Working time on battery:	8-10 hours
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	RJ45
WLAN:	802.11(a/b/c/g/n/ac) Dual band
Bluetooth:	Bluetooth 5.0
WAN:	FDD: B1,B2, B3,B5, B7, B8, B12 B20 TDD: B38,B39,B40,B41,B34 WCDMA:B1, B8 TD-SCDMA: B34, B39 GSM/GPRS/EDGE
GPS:	Yes
Camera:	Rear: 13Mpx, FlashFront: 5Mpx
In/Out:	USB 3.0 HDMI RJ45 RS232 Audio Jack Pogopin
Optional accessories:	Docking stations, car charger, stylus, wrist strap, suitcase holder, car holder, charger with 4 adapters
Docking station connector:	Yes
VESA standard – holders and mounts support:	Yes - 75x75mm, 90x90mm
COM port:	RS232
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	900:1
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	ABS/PC/rubber TPU/aluminum
Flash Card Reader:	micro SD

CD/DVD:	-----
Audio:	Built-in microphone and speaker
Keyboard:	Onscreen
Additional Navigation Devices :	-----
Color:	-----
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	No
Security:	IP65
Waterproof:	IPX5
Sand and dust:	IP6X
Size:	275mm x 178mm x 18mm - 950g
Fanless casing:	Yes
Weight:	950g

4 275,79 zł

net price: 3 476,25 zł

MobiPAD A311-R2

*Fall-resistant, efficient industrial tablet
designed to work in the harshest conditions*



SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

FUNCTIONALITY

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

MobiPad A311-R2 is a modern, waterproof industrial tablet designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP65, which confirms the protection of the device

against dust and water.

SPECIFICATION

MobiPAD A311-R2	
Processor	RK3588 (8x2.1GHz)
Operating system	Android 12
RAM	16GB
Hard drive	512GB SSD
Display	10.1", 1920 x 1200, 450 nits
Touch screen	Capacitive, 10 point touch
Battery	6000mAh / 7.6V
Camera	Front: 5Mpx Rear: 13Mpx + Flash
Protection	IP65 1.2m. drops
Communication	4G LTE Bluetooth 5.0 GSM Wi-Fi GPS
Connectors	USB 3.0 HDMI RJ45 RS232 Audio Jack Pogopin
Sensor	Light sensor Acceleration/gravity G-sensor Gyroscope Air pressure sensor Geomagnetic sensor
Memory card	Micro SD
SIM card	SIM
RFID Reader	UHF (3-4 meters)
NFC	13,56MHz
2D Scanner	NO Honeywell N4680 *

* Optional equipment, available on specific versions only.



Detailed specification of the device is available in the tab "Technical data".

Dustproof industrial tablet MobiPad A311-R2 was equipped with high performance, energy-efficient RK3588 processor. Inside, there are two cores that allow for more efficient processing of multiple tasks simultaneously. Shared caching, which uses a multi-level hierarchy, is dynamically allocated to each processor core according to the load. This reduces the average access time to main memory. Enhanced graphics card technology lets you enjoy full HD video and movies. Low power consumption guarantees long battery life.

Ergonomic design



MobiPad A311-R2 industrial tablet is designed for resistance and convenience. The sleek and rugged 18mm thick design and stylish case will make the tablet very well suited for industrial use and more. The unique size has been carefully thought

out to make the device more comfortable and ergonomic. The non-slip casing makes it safe and secure to hold it in your hand, and the rubber corners further protect your device against possible damage as a result of falls.

Dimensions	275mm x 178mm x 18mm
Weight	950g

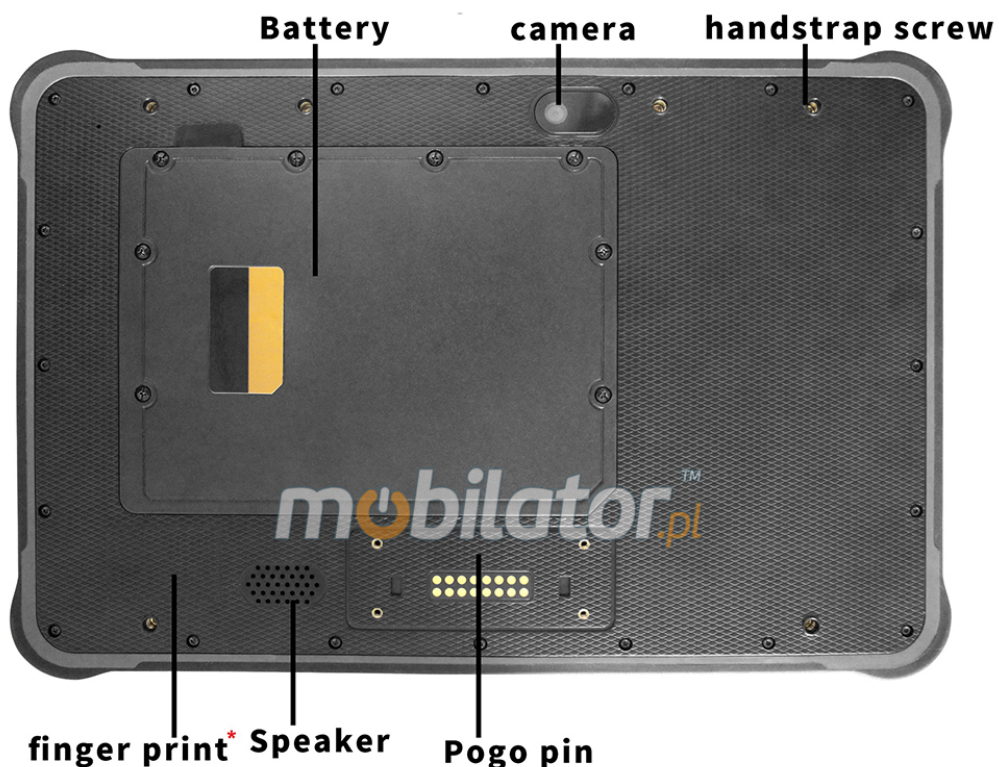


Capacitive screen



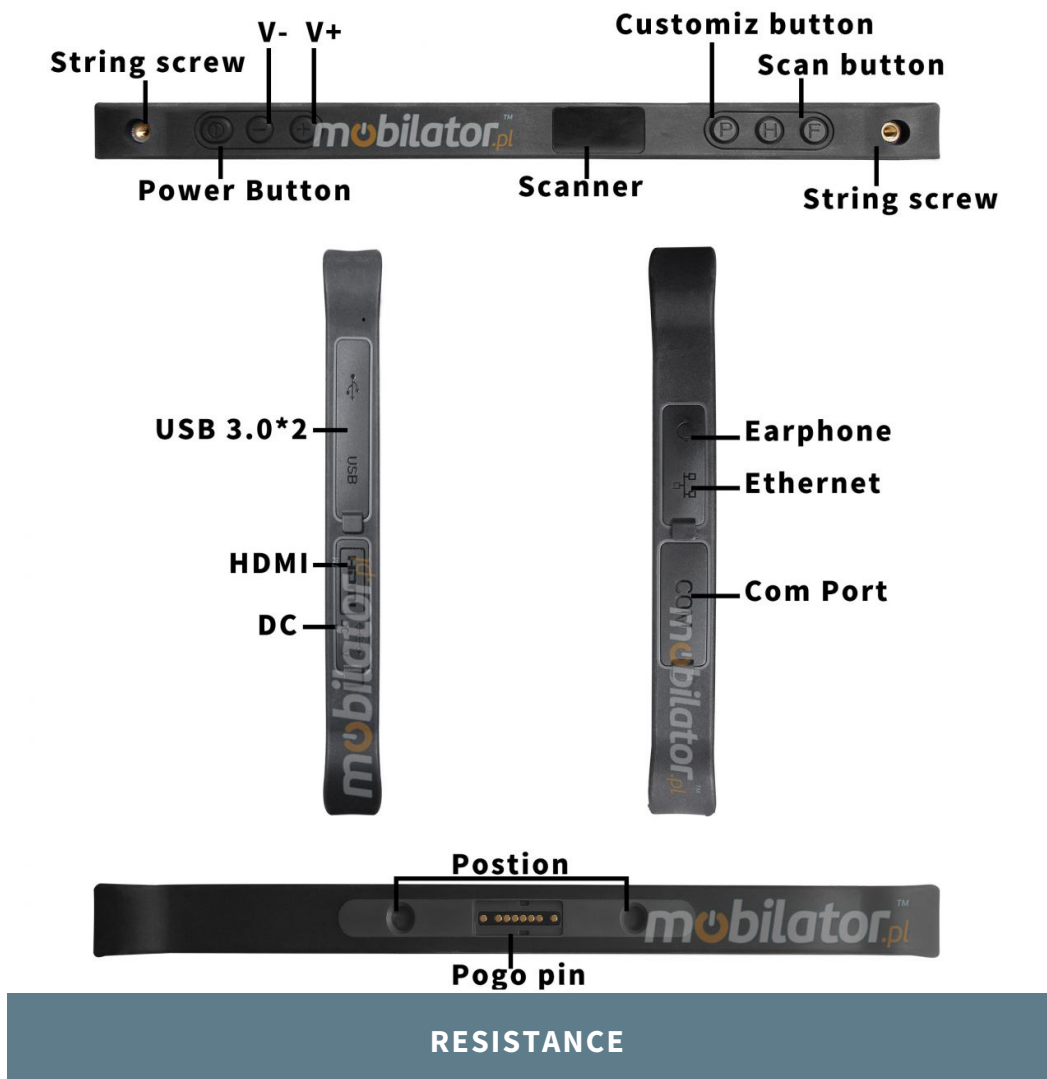
With the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched. This allows for much more precise handling and gentle brushes on the screen. In addition, we can use multitouch technology, the ability to control our tablet with a few fingers at once.

Connectors and buttons



MobiPAD A311-R2

can be equipped with a fingerprint reader, available in individual versions or in its own configuration.





IP65 Protection

The IP standard defines the degree of protection provided by the enclosure of an electrical device against such factors as: access to dangerous parts inside the enclosure, penetration of foreign matter, splashing or immersion.

IP6X	No ingress of dust, complete protection against contact. A vacuum must be applied. Test duration of up to 8 hours based on air flow.
IPX5	Water projected by a nozzle (6.3 mm) against enclosure from any direction shall have no harmful effects.

1.2m drop resistance

Specially designed construction gives the machine a chance of accidental falls

from up to 1.2 meters in operating mode, even on hard surfaces. In addition, the tablet screen is protected by specially tempered glass Gorilla Glass.

Extreme temperatures

MobiPad

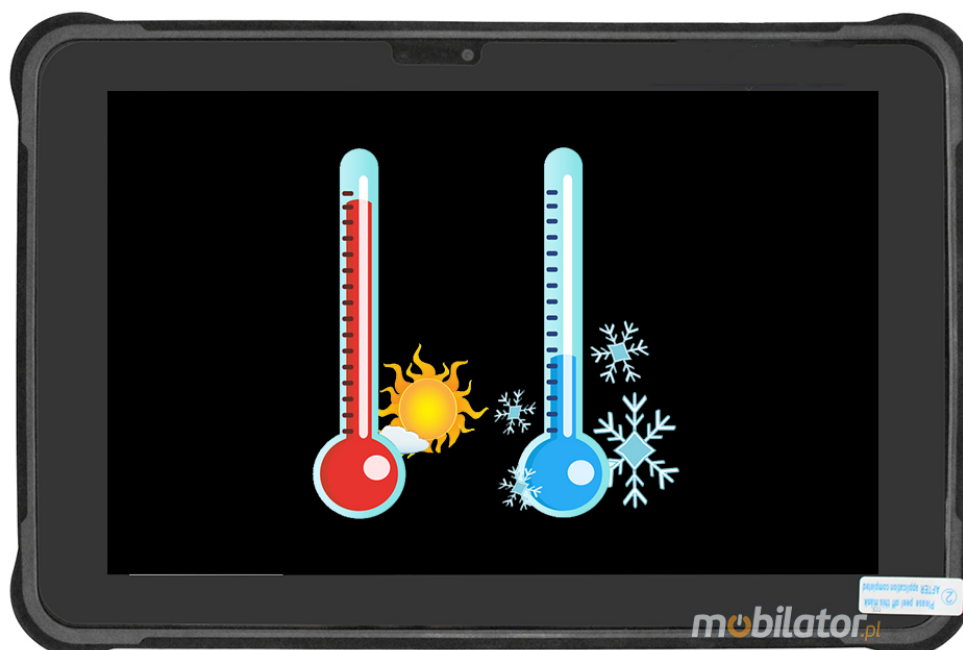
A311-R2

is suitable for continuous operation in both low and high temperatures in the range of -20°C to 60°C . When the device is off, it can handle temperatures ranging from -25°C to 80°C . In addition, the rugged industrial tablet performs well in rooms with increased humidity, ensuring proper operation even with 100% relative humidity.

Working Temp.	-20°C to 60°C
Storage Temp.	-25°C to 80°C
Humidity	0% do 100%

Working temperature: -20°C ~ 60°C

Storage temperature: -25°C ~ 80°C



WIRELESS COMMUNICATION

GPS Navigation

Waterproof tablet MobiPad A311-R2 is equipped with a professional GPS module with GLONASS support, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.

Bluetooth 5.0

Bluetooth 5.0 is an extension of the LE (Low Energy) standard. It offers up to twice as fast transfer compared to Bluetooth 4.2, as well as a larger data transmission capacity of up to 800%. Moreover, Bluetooth version 5 has a longer range (by 400%), actually up to 120 meters. Compared to the previous version, communication is much more stable and resistant to interference by Wi-Fi and LTE networks.

Wi-Fi network

Dual-band Wi-Fi provides fast network access wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a work or residence router and a wireless network that can be used at no extra cost. The shock-resistant industrial tablet, is equipped with the latest 802.11ac technology, which allows file transfer speeds up to 1 Gb/s.

Standards	802.11(a/b/c/g/n/ac)
Frequencies	2.4GHz and 5GHz



FUNCTIONALITY

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 MobiPad A311-R2 quickly and accurately retrieves the data, which helps to increase the rate and efficiency. You can jump-start a whole because with simplified installation procedure and intuitive, comfortable design to prepare the scanner to work is very easy.

2D scanner	Honeywell N4680 (1D/2D)
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* Optional equipment, available on specific versions only.

RFID UHF

RFID technology has aroused great worldwide interest. It 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.

UHF RFID available in MobiPAD A311-R2 is in two range versions: 0.8-1 meter, and 3-4 meters.

Type	RFID UHF (3-4 meters)
Frequency	900MHz

NFC

Near Field Communication - a short-range, high-frequency, radio communication standard that allows for wireless data exchange at a distance of up to several centimeters. The technology is a simple extension of ISO / IEC

14443 that combines the smart card interface and reader in one device. NFC devices can communicate with both existing devices in the ISO / IEC 14443 standard, as well as with other NFC devices, and thus are compatible with the existing and already in use public transport and payment infrastructure. NFC present in the device supports ISO 14443A, Mifare.

APPLICATION

Trade and Services

Thanks to their size and light weight, tablets are a useful tool for sales representatives. Today's applications running under the tablet system enable even entering the tablets contractor database, which allows us to later search for it quickly by name or NIP number. We can do the same with our commodity base, which can work in parallel with the database of contractors. Additional use of tablets in the trade, such as sending orders or invoices directly to the company through the GSM network or Wi-Fi.



Industry and Construction

Industrial tablets are characterized by high resistance to adverse working conditions. Tightness, dust and water resistance of enclosures, certified by IP (dust and water resistance standards) and often MIL-STD military standard, can withstand even the harshest conditions in industrial infrastructure or on

the construction site. With appropriate applications, tablets can be used for control and control of various industrial processes, as well as for data collection and analysis.



Warehouse

An industrial data sheet is the ideal solution for quick stocktaking. In addition, depending on the software used, it streamlines the process of entering and delivering goods into the warehouse, enables price control and dispensing, helps to collect and order orders, and identifies customers and servicing the rental. The advantages of using tablets are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.



AVAILABLE VERSIONS AND ACCESSORIES

The industry-leading MobiPad A311-R2 tablet is available in several versions to suit different needs. By clicking on the hardware configuration number you will be redirected to the product with the parameters given in the table below. In addition, on request, you can create a configuration not currently available in the offer.



More pictures available in the "Gallery" tab.

	v.1	v.2	v.3	v.4	v.5	v.6	v.7
8GB RAM/256GB ROM	+	+	+	+	+	+	+
16GB RAM/512GB ROM	-	-	-	-	-	-	-
2D Honeywell N4680 scanner	-	+	+	+	-	-	-
UHF RFID (0.8-1m)	-	-	-	-	+	-	-
UHF RFID (3-4m)	-	-	-	-	-	+	+
Fingerprint reader/Czytnik linii papilarnych	-	-	+	+	-	-	+
HIGH PRECISION GPS	-	-	-	+	-	-	+
	v.8	v.9	v.10	v.11	v.12	v.13	
8GB RAM/256GB ROM	-	-	-	-	-	-	
16GB RAM/512GB ROM	+	+	+	+	+	+	
2D Honeywell N4680 scanner	-	+	-	+	-	+	
UHF RFID (0.8-1m)	-	-	-	-	-	-	
UHF RFID (3-4m)	-	-	+	-	+	+	
Fingerprint reader/Czytnik linii papilarnych	-	-	-	+	+	+	
HIGH PRECISION GPS	-	-	-	+	+	+	