



MobiPAD A311-T v.2 - IP65 drop and splash resistant industrial tablet with Honeywell N3680 2D scanner, Wifi and Bluetooth, 4G LTE, 8GB RAM and 256GB ROM

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 10
Display:	10.1" (1920 x 1200)
Brightness:	450 nits
Processor:	Unisoc T7510 (8x2.0GHz)
Memory:	8GB RAM
Hard Drive:	-----
Flash Memory:	256GB ROM
Touch screen:	Capacitive, 10-point, support stylus
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):	Yes - Honeywell N3680

RFID scanner (reader):	NFC 13,56MHz
Other:	High precision GPS (optional), Fingerprint (optional)
Battery:	8400mAh / 5V
Working time on battery:	8-10 hours
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	RJ45
WLAN:	802.11(a/b/g/n/ac) 2.4G, 5G
Bluetooth:	Bluetooth 5.0
WAN:	5G (N41, N78, N79), 4G LTE, 3G
GPS:	Yes
Camera:	Rear: 13Mpx, FlashFront: 5Mpx
In/Out:	USB 3.0 USB-C RJ45 RS232 Audio Jack Pogopin DC
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:	800:1
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	ABS/PC/rubber TPU/aluminum
Flash Card Reader:	-----
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 - 1000g
Fanless casing:	Yes
Weight:	1000g

3 138,35 zł

net price: 2 551,50 zł

MobiPAD A311-T

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



SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

FUNCTIONALITY

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

MobiPad A311-T 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-T	
Processor	Unisoc (8x2.0GHz)
Operating system	Android 10
RAM	8GB
Hard drive	256GB
Display	10.1", 1920 x 1200, 450 nits
Touch screen	Capacitive, 10 point touch
Battery	8400mAh / 5V
Camera	Front: 5Mpx Rear: 13Mpx + Flash
Protection	IP65 Drop from 1,2m
Communication	5G 4G LTE Bluetooth 5.0 GSM Wi-Fi GPS
Connectors	USB 3.0 USB-C DC RJ45 RS232 Audio Jack Pogopin
Sensor	Light sensor Geomagnetic sensor Gyroscope Accelerometer Barometer
Memory card	NO
SIM card	SIM
RFID Reader	NO UHF (0.8-1 meter) * UHF (3-4 meters) *
NFC	13,56MHz
2D Scanner	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-T was equipped with high performance, energy-efficient Unisoc T7510 processor. Inside, there are eight 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.

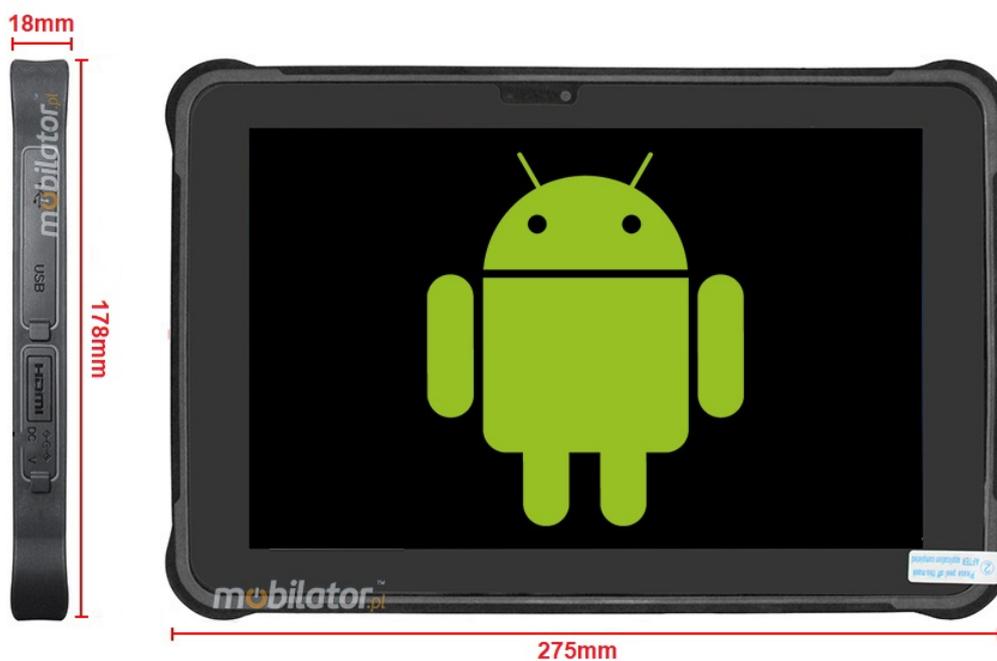
Ergonomic design



MobiPad A311-T 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	1000g

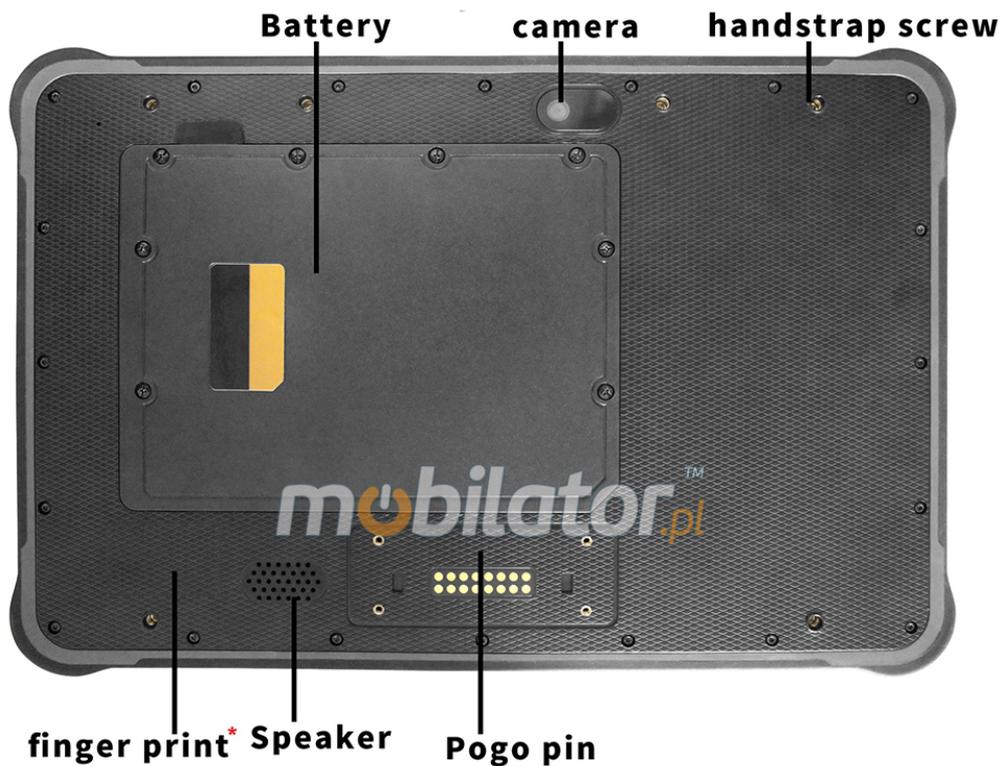


Capacitive screen



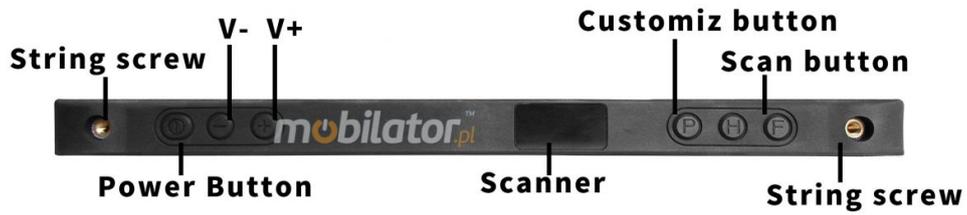
With the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched. This allows for much more precise handling and gentle brushes on the screen. In addition, we can use multitouch technology, the ability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

Connectors and buttons



MobiPAD A311-T

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



RESISTANCE



IP67 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 h.
IPX5	Protection against water jets directed at the housing from any direction up to 12.5 l/min.

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.

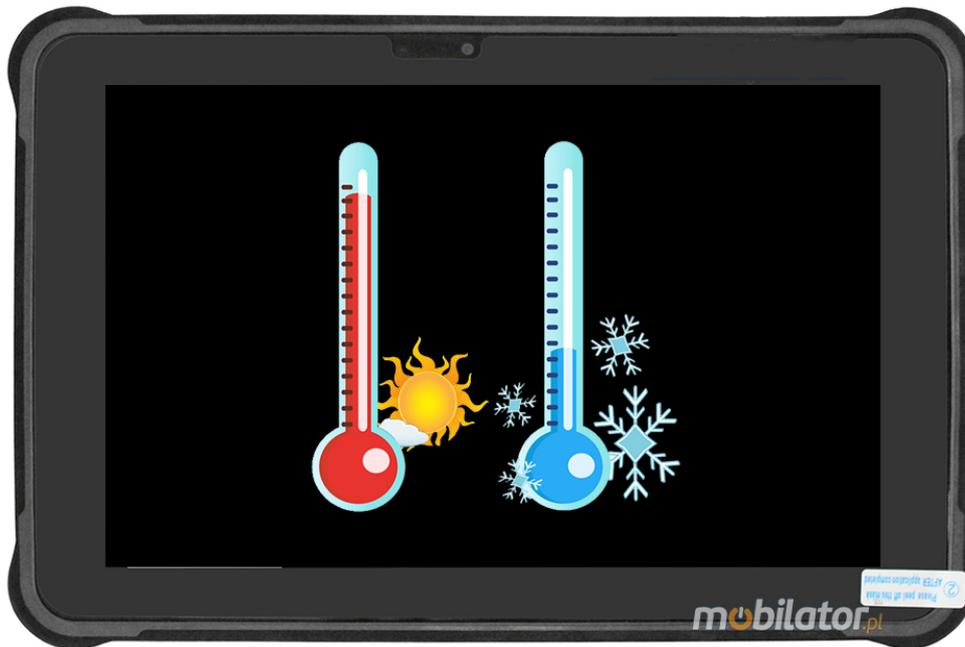
Extreme temperatures

MobiPad A311-T 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: $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$

Storage temperature: $-25^{\circ}\text{C} \sim 80^{\circ}\text{C}$



WIRELESS COMMUNICATION

GPS Navigation

Waterproof tablet MobiPad A311-T 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 enables wireless short-range communication between various electronic devices, such as the keyboard, computer, laptop, palmtop, mobile phone and many others. In the fourth version of this standard, energy consumption was reduced considerably, at the expense of lower transfer costs, and real operating coverage increased. The new Bluetooth 5.0 module is distinguished by the fact that it has a larger Bluetooth range, up to 40 meters indoors and 200 meters outdoors, but not

only that. The throughput is also higher. Theoretically it may be 6.25 Mb/s, but in practice it may be as much as 2 Mb/s. Another advantage is lower energy consumption.

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

5G

The 5G network is the fifth generation of wireless communication technology. It offers much higher data transfer speeds compared to its predecessors - 3G and 4G. It provides ultra-low latency, which is crucial for applications that require rapid response, such as autonomous vehicles, augmented reality (AR), and remote operations. 5G also supports a higher number of simultaneous connections, making it ideal for the Internet of Things (IoT). The 5G network uses modern technologies such as mass MIMO and millimeter waves to ensure efficient and stable connections.



FUNCTIONALITY

Barcode Scanner

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-T 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 N3680 (1D/2D)
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RFID UHF (Optional)
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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 is available in the MobiPAD A311-T in two range versions: 0.8-1 meter, and 3-4 meters.

Type	RFID UHF (0.8-1 meter) * RFID UHF (3-4 meters) *
Frequency	865-868MHz

* Optional equipment, available on specific versions only.

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-T 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
2D scanner Honeywell N3680	—				—	—	
Czytnik linii papilarnych/Fingerprint reader	—	—			—	—	
HIGH PRECISION GPS	—	—	—		—	—	
UHF RFID (0.8-1m)	—	—	—	—		—	—
UHF RFID (3-4m)	—	—	—	—	—		