



MobiPad M900-TS v.3 - Armored rugged tablet with a 2D scanner, a fingerprint reader and a high precision GPS module

<b>Category:</b>	UMPC - Ruggedized
<b>Manufacturer:</b>	Mobilator
<b>Operating System:</b>	<b>Windows 10 PRO</b>
<b>Display:</b>	8"   1920x1200
<b>Brightness:</b>	500 Nits
<b>Processor:</b>	Intel Core i5-8200Y, Dual-core (2x1.3GHz)
<b>Memory:</b>	<b>8GB RAM</b>
<b>Hard Drive:</b>	-----
<b>Flash Memory:</b>	<b>256GB ROM</b>
<b>Touch screen:</b>	Capacitive   10 point touch
<b>Durability:</b>	IP65
<b>Drop:</b>	1.2m
<b>Shock:</b>	-----
<b>Vibration:</b>	-----
<b>Temperature:</b>	Operating temperature: -20°C -- 60°C Storage temperature: -25°C -- 80°C
<b>Humidity:</b>	-----
<b>1D barcode scanner (reader):</b>	YES   Built-in <b>2D Scanner NLS-N1</b>

<b>2D barcode scanner (reader):</b>	YES   Built-in <b>2D Scanner NLS-N1</b>
<b>RFID scanner (reader):</b>	YES   Built-in <b>NFC 13.56MHz, distance 5cm or above</b> No   Option UHF RFID 825Mhz-900MHz (3-4m)
<b>Other:</b>	Sensors: light sensor, acceleration/gravity sensor Built-in <b>Fingerprint</b>
<b>Battery:</b>	5000mAh   7.6V   lithium battery
<b>Working time on battery:</b>	7,7 hours
<b>Fast battery replacement ability:</b>	No
<b>HotSwap battery:</b>	No
<b>LAN:</b>	Yes   POE RJ45 (USB form,need adapter)
<b>WLAN:</b>	802.11 a/b/c/g/n
<b>Bluetooth:</b>	Bluetooth 4.2
<b>WAN:</b>	4G LTE 3G WCDMA, GSM, FDD, TDD Quectel EC25AUGC (4G module)
<b>GPS:</b>	Yes   Built-in <b>High-precision GPS</b>
<b>Camera:</b>	Rear: 13Mpx, FlashFront: 5Mpx
<b>In/Out:</b>	RS232 COM   2xUSB 3.0   micro USB   HDMI   POE RJ45 (USB form, need adapter)   Audio   SIM   TF   DC
<b>Optional accessories:</b>	-----
<b>Docking station connector:</b>	Yes
<b>VESA standard – holders and mounts support:</b>	No
<b>COM port:</b>	Yes
<b>Magnetic card reader (MSR):</b>	No
<b>Microchip card reader:</b>	No
<b>Contrast:</b>	-----
<b>Graphics card:</b>	-----
<b>Chipset:</b>	-----
<b>BIOS:</b>	-----
<b>Casing material:</b>	ABS/PC/rubber TPU/aluminum
<b>Flash Card Reader:</b>	TF card (max. 128GB)

<b>CD/DVD:</b>	-----
<b>Audio:</b>	Built-in microphone and speaker
<b>Keyboard:</b>	Onscreen
<b>Additional Navigation Devices :</b>	-----
<b>Color:</b>	Black/gray
<b>Swivel Hinge:</b>	-----
<b>VGA out:</b>	No
<b>TV Out:</b>	-----
<b>TV Tuner:</b>	No
<b>Security:</b>	IP65
<b>Waterproof:</b>	IPX5
<b>Sand and dust:</b>	IP6X
<b>Size:</b>	234 x 144 x 17mm   700g
<b>Fanless casing:</b>	Yes
<b>Weight:</b>	700g

**Product from the Archive - production finished**

# MobiPad M900-TS

*Industrial tablet with reinforced construction,  
designed to work under the harshest conditions.*



## SPECIFICATION

## RESISTANCE

## DATA COLLECTING

## WIRELESS COMMUNICATION

## APPLICATION

## AVAILABLE VERSIONS

MobiPad M900-TS 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. Tablet is also resistant to falls from a height of up to 1.2 m.

## SPECIFICATION

MobiPad M900-TS	
Processor	Intel Core i5-8200Y, Dual-core (2x1.3GHz)
Operating system	Windows 10 PRO
RAM	8GB
ROM	256GB
Display	8"   1920x1200   500 nits
Touch screen	Capacitive   10 point touch
Battery	5000mAh   7.6V   lithium battery
Camera	5Mpx Front   13Mpx+flash Rear
Protection	IP65   Dropping proof 1.2m
Communication	WiFi   Bluetooth 4.2   High-precision GPS   4G
Connectors	RS232 COM   2xUSB 3.0   micro USB   HDMI   POE RJ45 (USB form,need adapter)   Audio   POGO pin   SIM
Speaker	1.5 watt
Sensor	Light sensor, acceleration/gravity sensor
Size/weight	234 x 144 x 17mm   0.7kg
Fingerprint	YES   Built-in
High-precision GPS	Accuracy 0.25-1m YES   Built-in
NFC	13.56 MHz, distance 5cm or above YES   Built-in

## MobiPad M900-TS

RFID Reader	UHF 825Mhz-900MHz (3-4m) * NO   Option
2D Scanner	NLS-N1 2D YES   Built-in

\* Optional equipment, available on specific versions only.



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

Dustproof industrial tablet  
MobiPad M900-TS

was equipped with high performance, energy-efficient 8th generation Intel Core i5 processor. Inside, there are two cores (2x1.3GHz) 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 FHD video and movies. Low power consumption guarantees long battery life.

Ergonomic design



MobiPad

M900-TS

industrial tablet is designed for resistance and convenience. The sleek and rugged 17mm 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.

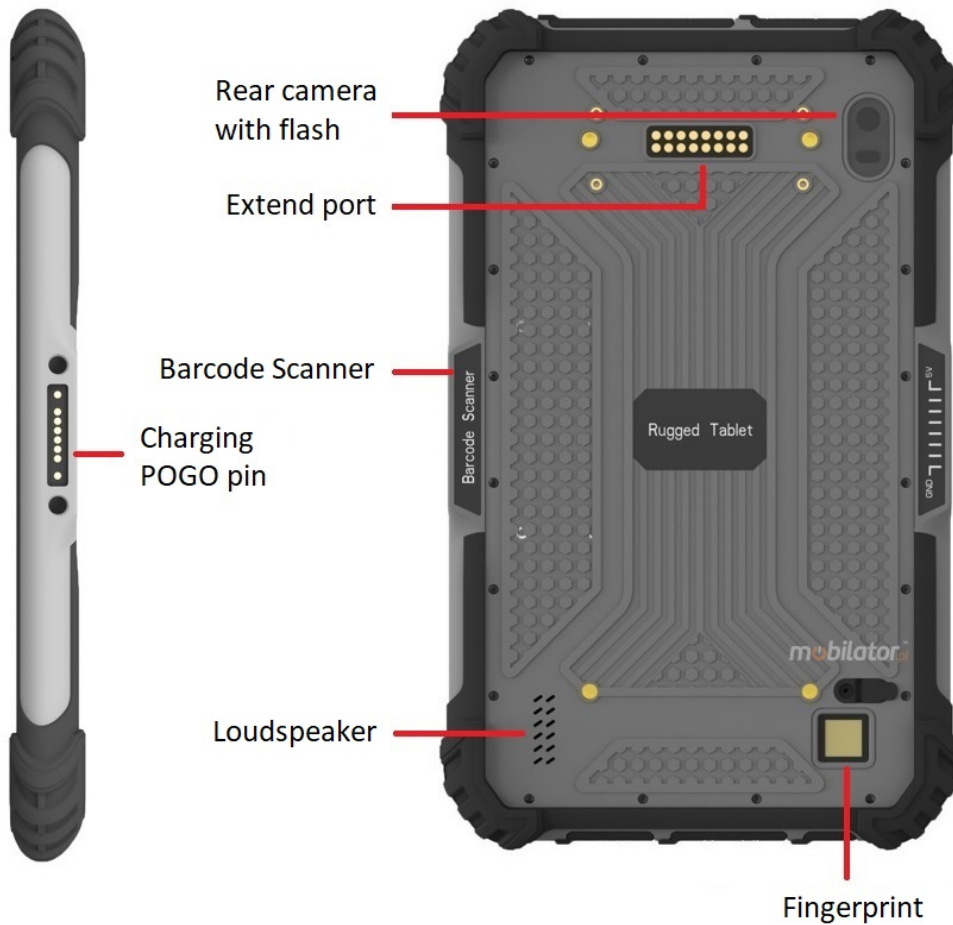
<b>Dimensions</b>	234 x 144 x 17mm
<b>Net weight</b>	700g

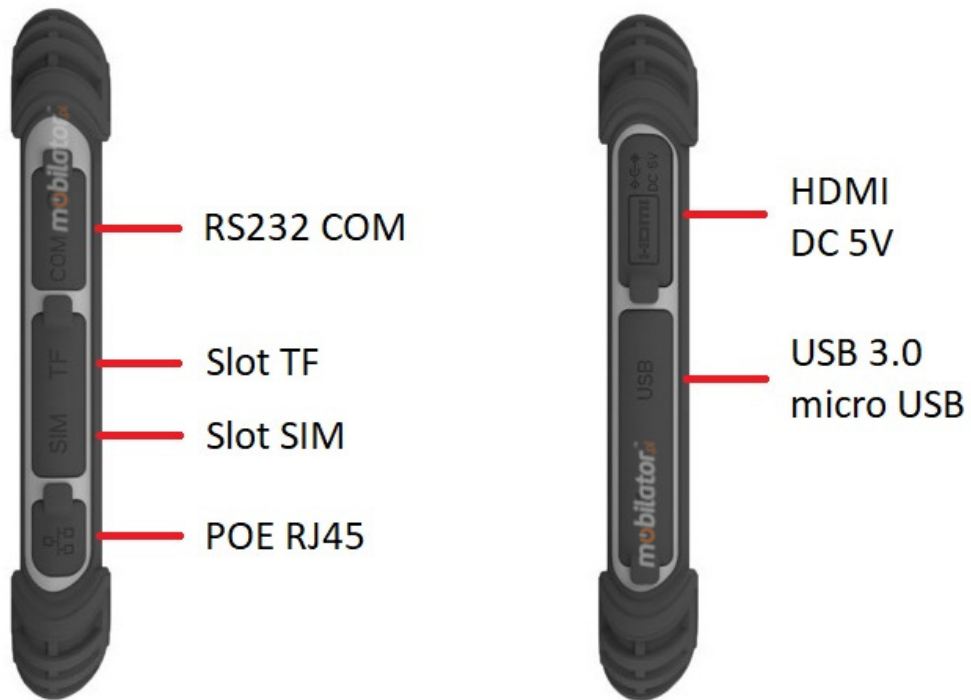
Capacitive screen



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 or the collector with a few fingers at once.

Connectors and dimensions





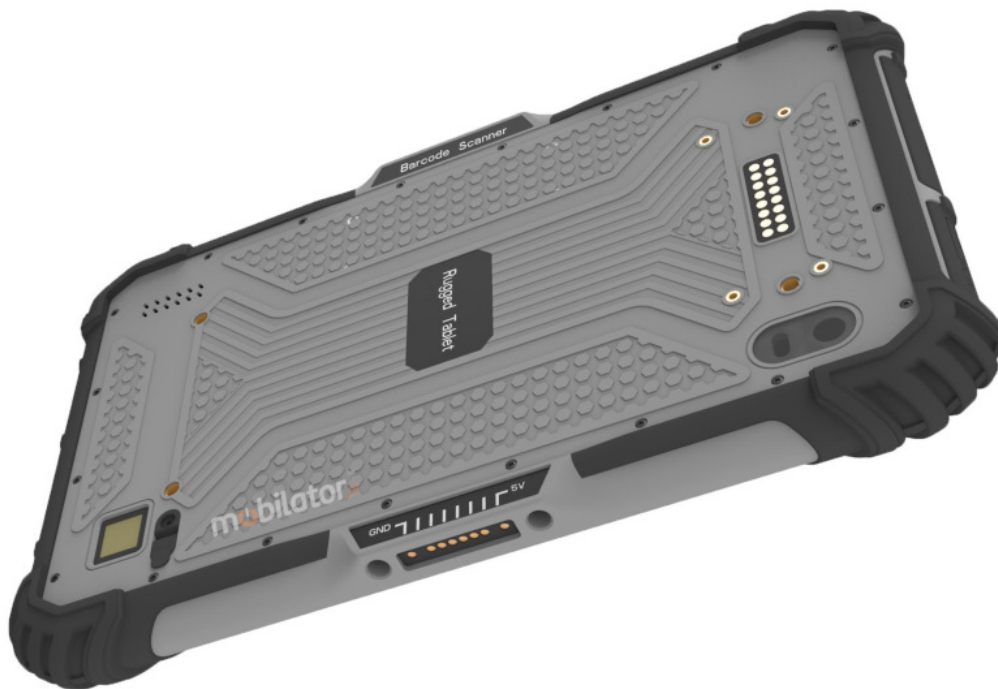
## RESISTANCE



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.

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



### 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.

### Extreme temperatures

MobiPad M900-TS is suitable for continuous operation in both low and high temperatures in the range of  $-20^{\circ}\text{C}$  to  $60^{\circ}\text{C}$ . When the device is off, it can handle temperatures ranging from  $-25^{\circ}\text{C}$  to  $80^{\circ}\text{C}$ . In addition, the rugged industrial tablet performs well in rooms with increased humidity.

<b>Working Temp.</b>	$-20^{\circ}\text{C}$ to $60^{\circ}\text{C}$
<b>Storage Temp.</b>	$-25^{\circ}\text{C}$ to $80^{\circ}\text{C}$



## DATA COLLECTING

### NFC

Short-range communication, known as NFC, is a radio communication standard that allows for wireless data exchange at a distance of a few centimeters. This technology is a simple extension of the proximity card standard that combines smart card interface and reader in one device. NFC devices can communicate with existing equipment in the standard ISO / IEC 14443 (cards and readers) as well as with other NFC devices, and thus are compatible with existing and already used public transport and payment infrastructures such as MIFARE. The device has a front NFC under the screen with a range of up to 5 cm.

**NFC 13.56MHz**

**Read distance 5cm**



**RFID UHF Reader (Optional)**

RFID is a technology used to identify objects and to control the flow products. Reading of information from the special tags that are attached to objects (but not only, because RFID is also applicable to the identification of the animals and even humans) followed by radio. Depending on the type of tag changes the amount of information that can hold as well as the maximum distance at which data can be read. RFID tags, is an alternative to bar codes - more comfortable and more efficient.

**RFID UHF**

Built-in antenna  
825MHz-900MHz

Read distance up to 3-4m

**2D Barcode scanner**



*2D Barcode Scanner*



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.

Fingerprint

Fingerprint security feature makes our tablet becomes even more personal, Allows you to secure the device fingerprint. This is possible through the use of a small fingerprint scanner. Solutions of this kind are very effective at securing devices containing important data and confidential and also allow for easy and quick log-in to the system. It is an ideal solution for business use, when we need to effectively protect your data.

## WIRELESS COMMUNICATION

## 4G Module

4G technology is based on a radio network with fast transmission and the rare occurrence of downtime or transfer errors. The main distinguishing feature of the 4G from its predecessor (3G) is the speed of transfer between devices. The fourth generation network offers 100 Mb / s of mobile internet speed and 25 Mb / s of packet transfer. Technology enables users, including: extremely fast radio networks, Internet access, personalized telephony, and access to modern media and games services.

<b>4G Module</b>	4G LTE, 3G WCDMA, GSM, Quectel EC25AUGC (4G module) 4G Fre: FDD: B1, B2, B3, B4, B5, B7, B8, B28 TDD: B40, B34 WCDMA: B1, B2, B4, B5, B8 GSM: B2, B3, B5, B8
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## High-precision GPS

Waterproof tablet  
MobiPad M900-TS  
is equipped with a professional GPS module with Beidou and GLONASS support, combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you to easily and easily reach any destination.

High-precision GPS with an accuracy of 0.25-1 meters.

## Bluetooth 4.2

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.

# Bluetooth® 4.2



## 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, the Emode I18H, is equipped with the latest 802.11n technology, which allows file transfer speeds up to 150 Mb/s.

The device has an Intel 3165 WiFi network card.

Standards	802.11(a/b/c/g/n)
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## APPLICATION

### Trade and Services

Thanks to their size and light weight, tablet and smartphone data collectors are a useful tool for sales representatives. Today's applications running under the collector system enable even entering the data collector's 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 collectors 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 and data collectors 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, collectors 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 data collectors are undoubtedly: time savings, customer satisfaction thanks to the correct price and speed of operation.



## AVAILABLE VERSIONS

The industry-leading  
MobiPad M900-TS  
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 of the device available in the  
["Gallery"](#)  
tab.

	v.1	v.2	v.3	v.4	v.5	v.6	v.7
GPS wysokiej precyzji	—	—	+	—	+	—	+
NFC	—	+	+	+	+	+	+
Scanner odcisków palców	—	—	+	—	+	—	+
Czytnik UHF	—	—	—	+	+	+	+
Scanner 2D N1	—	+	+	—	—	+	+