



MobiPad T20R v.1 - Dustproof data collector with IP 67 norms, 4GB RAM, 64GB ROM and Android 9.1

Category:	UMPC - Ruggedized
Manufacturer:	Mobikator
Operating System:	Android 9.1
Display:	5.45" LTPS 720x1440
Brightness:	380 cd/m2
Processor:	MT6762, Octa-core, 2.0GHz+1.5GHz
Memory:	4GB
Hard Drive:	64GB
Flash Memory:	64GB eMMC
Touch screen:	Yes
Durability:	IP67
Drop:	1.5 meters
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C to 55°C Storage temperature: -40°C to 60°C
Humidity:	0% - 95%
1D barcode scanner (reader):	-----
2D barcode scanner (reader):	None (optionally: SE6100-2D)

RFID scanner (reader):	None (optionally: UHF RFID R2000 reader)
Other:	Gravity sensor Light sensor
Battery:	10000mAh rechargeable polymer lithium
Working time on battery:	12-14 hours
Fast battery replacement ability:	No
HotSwap battery:	No
LAN:	No
WLAN:	802.11 a/b/g/n/ac
Bluetooth:	Bluetooth 5.0
WAN:	GSM:B2/B3/B5/B8;CDMA/CDMA-EVDO BC0 TD-SCDMA B34/B39 WCDMA B1/B8 TDD-LTE Bands B34/B38/B39/B40/B41 LTE_FDD/TDD Bands B1/B3/B8
GPS:	Built-in (GPS) + Glonass
Camera:	Rear: 13Mpx + Flash Front: 5Mpx
In/Out:	1x Micro SD(TF) and 1x Nano Sim OR 1xNano Sim, USB-C
Optional accessories:	-----
Docking station connector:	No
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	-----
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	high quality plastic and rubber
Flash Card Reader:	microSD (max. 64GB)
CD/DVD:	-----

Audio:	Built-in Speaker, Microphone
Keyboard:	On-screen (+ function keys)
Additional Navigation Devices :	No
Color:	black
Swivel Hinge:	No
VGA out:	No
TV Out:	No
TV Tuner:	No
Security:	IP67
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	159.5 x 99 x 147.69mm
Fanless casing:	Yes
Weight:	607g

629,67 €

net price: 511,93 €

MobiPad T20R



SPECIFICATION

RESISTANCE

DATA COLLECTING

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

MobiPad T20R is a modern, waterproof industrial data collector with a pistol grip designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP67.

SPECIFICATION

MobiPad T20R

Processor	MT6762V, Octa-core, 2.0GHz
Operating system	Android 9.1
RAM	4GB
ROM	64GB
Display	5,45" LTPS (720x1440)
Touch screen	Capacitive
Battery	10000 mAh
Camera	13MPx + flash
Protection	IP67
Communication	4G Bluetooth 5.0 Wi-Fi GPS
Connectors	USB C
Memory card	Micro SD (max. 64GB)
SIM card	1xMicro SD(TF) and 1xNano Sim OR 2xNano Sim
2D Scanner	None (SE6100-2D) * (optional)
RFID Reader	None (UHF RFID R2000) * (optional)
Accessories	Charger, USB cable, hand strap, screen protector
NFC	No

* Optional equipment, available on specific versions only.



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

Dustproof industrial data collector was equipped with high performance, energy-efficient

MT6762V

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.

Ergonomic design



Industrial Data Collector MobiPad T20R is designed for resistance and convenience. The sleek and rugged design and stylish case will make the collector 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 and pistol grip makes it safe and secure to hold it in your hand.

Dimensions	159.5 x 99 x 147.69mm
Net weight	607g

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 collector with a few fingers at once.

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 hours based on air flow.
IPX7	Can be submerged up to 1 meter in water for 30 minutes.

1.5m drop resistance

Specially designed construction gives the machine a chance of accidental falls from up to 1.5 meters in operating mode, even on hard surfaces. In addition, the collector screen is protected by specially tempered glass.

Extreme temperatures

MobiPad T20R is suitable for continuous operation in both low and high temperatures in the range of -20°C to 55°C. When the device is off, it can handle temperatures ranging from -40°C to 60°C. In addition, the rugged industrial collector performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-20°C to 55°C
Storage Temp.	-40°C to 60°C
Humidity	0 ~ 95%

DATA COLLECTING

Barcode scanner
*(option)



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.

2D Scanner	None (SE6100-2D) * (optional)
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* Optional equipment, available on specific versions only.

RFID UHF
*(option)

RFID is a technology used to identify objects and to control the flow of 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.

Type	UHF
Frequency	859~873MHz and 915~930MHz
Protocol	ISO 18000-6C
Antenna	0 dBm to +27 dBm
Read distance	0~12m

* Optional equipment, available on specific versions only.

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.

4G Module	TDD-LTE B34/B38/B39/B40/B41 LTE_FDD/TDD B1/B3/B8
3G Module	GSM: B2/B3/B5/B8; CDMA/CDMA-EVDO: BC0; TD-SCDMA: B34/B39; WCDMA: B1/B8;

GPS Navigation

Mobile terminal
MobiPad T20R is equipped with a professional A-GPS module with 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 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.

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 collector is equipped with the latest 802.11ac technology, which allows file transfer speeds up to 500 Mb/s.

Standards	802.11(a/b/g/n/ac)
Frequencies	2.4GHz + 5GHz (Dual-Band)



APPLICATION

Trade and Services

Thanks to their size and light weight, 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 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).



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.



ACCESSORIES AND AVAILABLE VERSIONS

The industry-leading MobiPad T20R data collector 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.

MobiPad T20R can optionally be equipped with a 2D scanner or a RFID reader.



More photos in full resolution available in the "Gallery".

	v.1	v.2	v.3	v.4
Scanner 2D SE6100-2D	—	+	—	+
Czytnik UHF RFID R2000	—	—	+	+