



MobiPAD V20 v.5 - data terminal for logistics with a 5-inch screen, RFID, NFC and 2D code scanner, Wifi and Bluetooth

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 12.0
Display:	5" IPS Multi-touch 854*480
Brightness:	300 nits
Processor:	MTK6761 (4x2.0GHz)
Memory:	4 GB
Hard Drive:	-----
Flash Memory:	64GB ROM
Touch screen:	Yes
Durability:	IP67
Drop:	1,2m
Shock:	-----
Vibration:	Yes
Temperature:	Working: -20°C -- 50°C Storage: -40°C -- 70°C
Humidity:	5% -- 95%
1D barcode scanner (reader):	-----
2D barcode scanner (reader):	Yes - CM30
RFID scanner (reader):	RFID LF 134.2kHz + NFC - ISO/IEC 14443A, ISO/IEC 15693, Mifare

Other:	-----
Battery:	3900mAh Li-Po
Working time on battery:	8-10 hours
Fast battery replacement ability:	Tak
HotSwap battery:	Yes
LAN:	No
WLAN:	Wi-Fi 802.11 a/b/g/n/ac
Bluetooth:	Bluetooth 4.2
WAN:	4G LTE
GPS:	Built-in
Camera:	Back: 8Mpx (Flash)
In/Out:	USB-C, 2x micro SIM, 1xMicro SD
Optional accessories:	Charging docks, wrist belt, hot swap battery
Docking station connector:	Yes
VESA standard – holders and mounts support:	No
COM port:	No
Magnetic card reader (MSR):	No
Microchip card reader:	No
Contrast:	1000:1
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	Plastic + Rubber
Flash Card Reader:	microSD
CD/DVD:	-----
Audio:	Built-in microphone and speaker
Keyboard:	2 scanning keys. volume key, power button
Additional Navigation Devices :	-----

Color:	Black
Swivel Hinge:	-----
VGA out:	No
TV Out:	-----
TV Tuner:	No
Security:	IP67
Waterproof:	IPX7
Sand and dust:	IP6X
Size:	165x78x23mm - 303g
Fanless casing:	Yes
Weight:	303g

369,00 €

net price: 300,00 €

MobiPAD V20



SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

FUNCTIONALITY

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

MobiPAD V20 is a modern, waterproof industrial smartphone designed for extreme applications. It has a specially designed, reinforced construction that meets the requirements of IP67, which confirms the protection of the device

against dust and water.



SPECIFICATION

MobiPAD V20	
Processor	MTK6761 (4x2.0GHz)
Operating system	Android 12.0
RAM	4GB
ROM	64GB
Display	5", 854x480
Touch screen	Multi-touch
Battery	3900mAh
Camera	8 MPx back + Flash

MobiPAD V20	
Protection	IP67 Drop from 1,2m
Communication	4G Bluetooth Wi-Fi GPS
Connectors	USB - C
Memory card	Micro SD (max. 32GB)
SIM card	2x Micro SIM
NFC	YES - 13,56MHz
RFID Reader	YES - LF 134.2k
2D Scanner	Scanner 1D/2D CM30

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

Dustproof industrial smartphone
 MobiPAD V20
 was equipped with high performance, energy-efficient MTK6761 processor. Inside, there are four 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 video and movies. Low power consumption guarantees long battery life.

Ergonomic design



MobiPAD

V20

industrial smartphone is designed for resistance and convenience. The sleek and rugged 33mm thick design and stylish case will make the smartphone 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	165mm x 78mm x 23mm
Weight	303g

Keypad



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	Protected against the effects of temporary submersion in water - test requires 30 minutes at 1 meter depth

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 smartphone screen is protected by specially tempered glass Gorilla Glass.

Working temperature: -20°C ~50°C

Storage temperature: -40°C~70°C



Extreme temperatures

MobiPAD V20 is suitable for continuous operation in both low and high temperatures in the range of -20 ° C to 50 ° C. When the device is off, it can handle temperatures ranging from -40 ° C to 70 ° C. In addition, the rugged industrial smartphone performs well in rooms with increased humidity, ensuring proper operation even with 95% relative humidity.

Working Temp.	-20°C to 50°C
Storage Temp.	-40°C to 70°C
Humidity	5% to 95%

WIRELESS COMMUNICATION



GPS Navigation

Waterproof smartphone Mobilator V20 is equipped with a professional GPS module combining low power consumption with high accuracy. Navigation is fast and smooth, allowing you

to easily and easily reach any destination.

Bluetooth 4.2

Bluetooth 4.2 means faster transfer, better security and faster connection to devices than its predecessors. It ensures a stable connection and fast data transfer.

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 smartphone, is equipped with the latest 802.11ac technology, which allows file transfer speeds up to 1 Gb/s.

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

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 V20 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.

Depending on the version, V20 may be equipped with scanners:

Scanner 2D - CM30
Scanner 2D - Zebra SE5500 *
Scanner 2D - Honeywell N5703 *



* Optional equipment, available only in specific device version, or on request

NFC communication

Short-range communication known as NFC is a short-range radio communication standard that allows for wireless data exchange at a distance of several to several centimeters. This technology is a simple extension of the contactless card standard that combines a smart card interface and reader in one device. NFC devices can communicate both with existing ISO/IEC 14443 equipment (cards and readers) as well as with other NFC devices, and are therefore compatible with existing and already in use public transport and payment infrastructure, such as MIFARE.

RFID reader

RFID is a technology used to identify objects and control the flow of products. Information from special tags attached to objects (but not only, because RFID is also used to tag animals and even people) is read via radio. Depending on the type of tag, the amount of information it can store and the maximum distance from which data can be read change. RFID tags are an alternative to barcodes - more convenient and efficient.

LF RFID 125kHz *	It operates at a frequency of 125 kHz. In this standard, the reading speed is slower than in other frequencies, but is not susceptible to radio wave interference.
LF RFID 134.2kHz	It operates at a frequency of 134.2 kHz. It is used for non-contact identification of animals and objects.
UHF RFID *	Operates at a frequency of 865.6mHz ~ 867.6mHz. The reading range is very large, but more susceptible to interference.

* Optional equipment, available only in specific device version, or on request

APPLICATION

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 smartphones 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), 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 AND ACCESSORIES

The
MobiPAD

industry-leading
V20

smartphone 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.

	v.1	v.2	v.3	v.4	v.5	v.6	v.7
2D scanner CM30	—	+	+	+	+	+	—
2D scanner Zebra SE5500	—	—	—	—	—	—	+
2D scanner Honeywell N5703	—	—	—	—	—	—	—
NFC	—	—	+	+	+	+	+
RFID LF 125k	—	—	—	+	—	—	—
RFID LF 134.2k	—	—	—	—	+	—	—
RFID UHF	—	—	—	—	—	+	—
	v.8	v.9	v.10	v.11	v.12	v.13	v.14
2D scanner CM30	—	—	—	—	—	—	—
2D scanner Zebra SE5500	+	+	+	—	—	—	—
2D scanner Honeywell N5703	—	—	—	+	+	+	+
NFC	+	+	+	+	+	+	+
RFID LF 125k	+	—	—	—	+	—	—
RFID LF 134.2k	—	+	—	—	—	+	—
RFID UHF	—	—	+	—	—	—	+



More pictures available in the "Gallery" tab.