



GPS



MobiPad C50 v.4.1 - Rugged (IP65)
industrial data collector - Android 7.0, HF
RFID

Category:	UMPC - Ruggedized
Manufacturer:	Mobilator
Operating System:	Android 7.0
Display:	5" (1280x800) IPS LCDPojemnościowy Sunlight readable 800 nits
Brightness:	~300 nits
Processor:	Cortex A53 - 1.3 GHz Quad Core (4x 1.3 GHz)
Memory:	2GB
Hard Drive:	16GB
Flash Memory:	Yes
Touch screen:	Yes
Durability:	IP65
Drop:	1.2 meters
Shock:	-----
Vibration:	-----
Temperature:	Operating temperature: -20°C -- +50°CStorage temperature: -40°C -- +60°C
Humidity:	5% - 95% non-condensing
1D barcode scanner (reader):	No (Available in other version)

2D barcode scanner (reader):	No (Available in other version)
RFID scanner (reader):	HF RFID 13.56MHz
Other:	Digital Compass Gravity Sensor
Battery:	3.7V 4500mAh Lithium
Working time on battery:	Operating time (depending on usage) - 6h
Fast battery replacement ability:	No
HotSwap battery:	Yes
LAN:	-----
WLAN:	IEEE 802.11 a/b/g/n
Bluetooth:	Bluetooth 4.0
WAN:	GSM: 900/1800/1900 B2/B3/B8WCDMA: 850/1900/2100 B1/B2/B5FDD-LTE: 1800/2100/2600 B1/B3/B7LTE_TDD:2555-2655MHz/:2300-2400MHz B41/B40
GPS:	Support GPS, DBS, GLONASS
Camera:	Camera 8Mpx
In/Out:	USB Port TF Card Port SIM DC
Optional accessories:	Carrying Case
Docking station connector:	-----
VESA standard – holders and mounts support:	-----
COM port:	No
Magnetic card reader (MSR):	-----
Microchip card reader:	-----
Contrast:	800:1
Graphics card:	-----
Chipset:	-----
BIOS:	-----
Casing material:	high quality plastik and rubber
Flash Card Reader:	micro SD/TF max. 128GB

CD/DVD:	-----
Audio:	Build-in Microphone Build-in Speaker Audio Jack
Keyboard:	Touch screen + buttonsHome Menu Return ON/OFF Volume+/-
Additional Navigation Devices :	-----
Color:	black
Swivel Hinge:	-----
VGA out:	-----
TV Out:	-----
TV Tuner:	-----
Security:	IP65
Waterproof:	IP65
Sand and dust:	IP65
Size:	170 mm x 85 mm x 23 mm370g
Fanless casing:	Yes

Product from the Archive - production finished



TECHNICAL SPECIFICATION

RESISTANCE AND DURABILITY

CONNECTIVITY AND COMMUNICATION

DEVICE APPLICATION

AVAILABLE VERSIONS

Small dimensions industrial MobiPad C50 excel in environments where dust, dirt and moisture predominate. They are ideal for applications requiring quiet operation. Small and reliable umpc use heat-pipe technology and plastic fins for passive cooling. The robust industrial laptop is a device designed for all industrial and non-continuous applications requiring continuous operation - 24 hours, 7 days a week.



Reinforced housing

The reinforced MobiPad case is resistant to mechanical damage and external factors such as temperature difference.



Lightweight design

The data terminal weight does not exceed 0.5 kg, so it can be conveniently carried in a bag or backpack.



Efficient components

The Cortex by Qualcomm quad-core CPU provides improved device performance.



Wireless network

The umpc can be connected to nearby wireless networks by equipping it with an installed Wi-Fi module.



Quick start

A modern eMMC memory will increase the speed of



Passive cooling

application programs.

The use of passive cooling in the umpc ensures silent operation and slows dust deposition.

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SPECIFICATION

Performance

Processor	Cortex A53 - 1.3 GHz Quad Core
Operating system	Android 7.0
RAM	2 GB
Drive	16 GB eMMC

Interfaces

Connectivity	Wi-Fi IEEE (802.11 a/b/g/n ; 2.4 GHz/5GHz) LTE, WCDMA, GSM, GPRS, Edge Bluetooth 4.0
Connectors	1x Sim card slot 1x USB 1x Docking Station slot DC

Other	
Available colors	Black
Dimensions	170 mm x 85 mm x 23 mm
Weight	0.370 kg

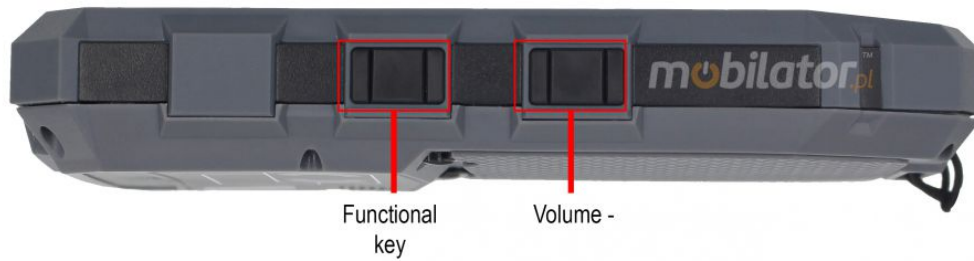
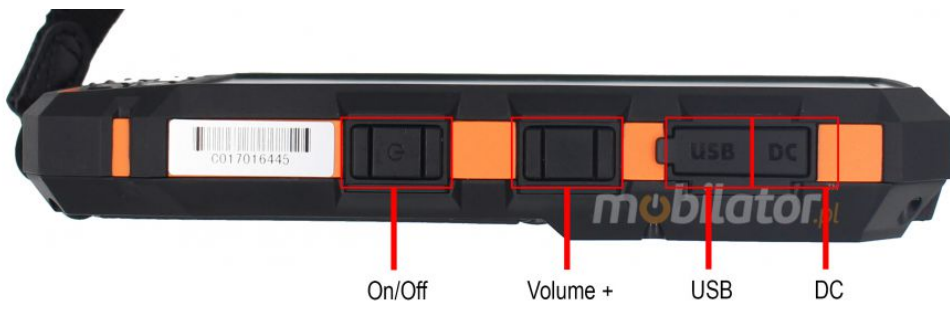


Detailed device specification is available in the "Technical data" tab.

EFFICIENT PROCESSOR

The industrial umpc MobiPad C50 uses an efficient and energy-saving Qualcomm Quad Core processor. Inside it there are four cooperating cores enabling more efficient processing of many tasks at the same time. The shared cache memory in which the multilevel hierarchy is used is dynamically allocated to each processor core depending on the load. This reduces the average access time to the main memory.

INTERFACES



DIMENSIONS



The ergonomics of work is provided by a functional keyboard and a color touch screen, everything is enclosed in a slim and small housing. Thanks to this, you can take it anywhere with you.

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RESISTANCE

TEMPERATURES

C50 by MobiPad is designed for continuous operation in both very low and high temperatures ranging from -20°C to 70°C . If the device is switched off, it can already handle temperatures in the range of -40°C to $\sim 60^{\circ}\text{C}$.



Work temp.	-20°C — ~70°C
Storage temp.	-40°C — ~60°C
Humidity	10% — 95%

IP65 PROTECTION

IP stands for Ingress Protection and is essentially a rating system developed by the International Electrotechnical Commission or the IEC. The system is now being used to classify different degrees of protection against intrusion or immersion. The IP rating is usually followed by two digits. The first indicates the level of dust-resistance, the second water resistance. Dust-resistance levels goes from 0 up to 6 while water-resistance goes from 0 to 8.

The first digit [x] Protection against solid objects	Protection Level	The second digits [y] Protection against liquids
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No special protection		No special protection
Protection from solid objects greater than 50mm in diameter		Protection from dripping water
Protection from object not greater than 12mm in diameter		Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter		Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter		Protection from splashed water
Complete protection against contact, Protection against dust deposit		Protection from water projected from a nozzle
Complete protection against contact, Protection from infiltration of dust		Protection against heavy seas, or powerful jets of water
		Protection against immersion
		Protection against complete, continuous submersion in water

MECHANICAL DAMAGE

The passive cooling system used in the umpc combined with the eMMC memory make this computer very resistant to various types of mechanical injuries. An additional advantage of industrial computers is a solid construction made of high quality plastic and specially designed in such a way that in addition to high efficiency in heat dissipation, it can also resist any external damage.

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WIRELESS NETWORK

The dual-band Wi-Fi module provides quick access to the network wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a router at home or place of residence and a wireless network that can be used at no extra charge. Industrial umpc X14 has been equipped the standard of - 802.11(a/b/g/n), which allows transfer of files at a dizzying speed of up to 300 Mb / s.

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 of 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.



RFID

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.



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APPLICATIONS

TRADE AND SERVICES

Industrial umpc is an ideal tool to support us in the implementation of many activities in the field of trade, small dimensions increase the possibility of its adaptation to activities such as issuing invoices or preparing documentation, which in turn allows us to convenient and optimal sales management.



WAREHOUSE AND LOGISTICS

Thanks high performance an industrial umpc can be used to connect multiple devices in a warehouse and make their management much easier. Its rugged casing are ideal for harsh environments in such rooms. The solid construction guarantees long-lasting work, even in environments with high dustiness and dirt.



WORKSHOP AND DIAGNOSTIC

With the help of dedicated connectors supported by our data collector, it can be used as a diagnostic tool for cars and machines with an on-board computer, thanks to which we are able to independently detect faults and also test specific systems.



More pictures of the device available in the ["Gallery"](#) tab.

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The industrial MobiPad C50 umpc is offered in several versions to suit different needs. By clicking on the number of the hardware configuration you will be redirected to the product with the parameters given in the table below. In addition, it is possible to create a configuration that is currently unavailable on the customer's request.



Our data collector can also be equipped with various accessories, you will find them in the manufacturer's accessories tab and in the configurator. Accessories for the above model are available: cover, additional battery or docking station.



	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8	v.9	v.10
RFID LF125 KHz	-	+	-	-	-	+	-	-	+	-
RFID LF134.2 KHz	-	-	+	-	-	-	+	-	-	+
NFC	-	-	-	+	-	+	+	+	-	-
RFID UHF	-	-	-	-	+	-	-	+	+	+
Honeywell N4313 (1D)	-	-	-	-	-	-	-	-	-	-
Newland EM3396 (2D)	-	-	-	-	-	-	-	-	-	-
Honeywell N6603 (2D)	-	-	-	-	-	-	-	-	-	-
HF RFID	-	-	-	-	-	-	-	-	-	-
	v.11	v.11	v.12	v.12	v.13	v.14	v.15	v.16	v.17	v.4.1

RFID LF125 KHz	-	-	-	-	-	+	-	+	-	-
RFID LF134.2 KHz	-	-	-	-	-	-	+	-	+	-
NFC	-	-	-	-	-	-	-	+	+	-
RFID UHF	-	-	-	-	-	+	+	-	-	-
Honeywell N4313 (1D)	+	+	-	-	-	-	-	-	-	-
Newland EM3396 (2D)	-	-	+	+	-	+	-	+	-	-
Honeywell N6603 (2D)	-	-	-	-	+	-	+	-	+	-
HF RFID	+	-	-	+	-	-	-	-	-	+
	v.6.1	v.7.1	v.13.1							
RFID LF125 KHz	+	-	-							
RFID LF134.2 KHz	-	+	-							
NFC	-	-	-							
RFID UHF	-	-	-							
Honeywell N4313 (1D)	-	-	-							
Newland EM3396 (2D)	-	-	-							
Honeywell N6603 (2D)	-	-	+							
HF RFID	+	+	+							