



GPS

Bluetooth 4.0



Rugged Industrial Data Collecto MobiPad C50 v.15

| | |
|-------------------------------------|--|
| Category: | UMPC - Ruggedized |
| Manufacturer: | Mobilator |
| Operating System: | Android 7.0 |
| Display: | 5" (1280x800) IPS LCD Pojemnościowy 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°C Storage temperature: -40°C -- +60°C |
| Humidity: | 5% - 95% non-condensing |
| 1D barcode scanner (reader): | No (Available in other version) |

| | |
|--|---|
| 2D barcode scanner (reader): | Yes - Honeywell N6603 |
| RFID scanner (reader): | RFID LF 134.2 KHz (FDX - B/HDX)ISO 11784 & 15693Range: 2cm to 10 cmRFID UHF 865~868 MHz EPC C1 GEN2/ISO 18000-6C Range: 1m to 1.5 m |
| 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 |

2 721,38 zł

net price: 2 212,50 zł



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 application programs.



Passive cooling

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 |

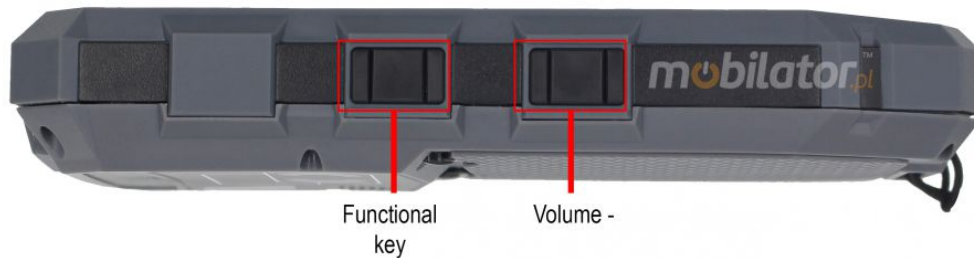
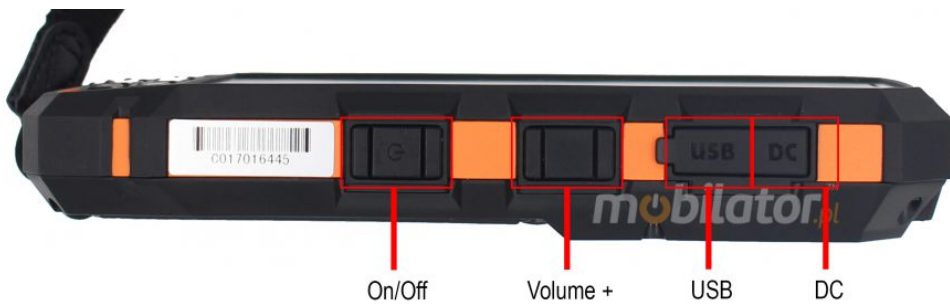


Detailed device specification is available in the "Technical data" tab.

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 50°C . If the device is switched off, it can already handle temperatures in the range of -20°C to $\sim 70^{\circ}\text{C}$.



| | |
|----------------------|---------------|
| Work temp. | -20°C — ~50°C |
| Storage temp. | -20°C — ~70°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 |
|---|------------------|---|
|---|------------------|---|

| | | |
|---|---|--|
| 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

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 | + | + | + | | | | | | | |