

## MTouch



### Industrial PanelPC MobiBOX 19 - i5 v.2.1

|                                 |                                                       |
|---------------------------------|-------------------------------------------------------|
| <b>Category:</b>                | Industrial Panel PC Computers                         |
| <b>Manufacturer:</b>            | Mobikator                                             |
| <b>Screen size:</b>             | 19"                                                   |
| <b>Resolution:</b>              | 1280x1024                                             |
| <b>Aspect ratio:</b>            | 4:3                                                   |
| <b>Touchscreen:</b>             | Resistive Type 5-Wire                                 |
| <b>Chipset:</b>                 | Intel H81                                             |
| <b>CPU Support:</b>             | Intel® Core™ i5-4460 Processor (6M Cache, 4x3.20 GHz) |
| <b>Installed CPU:</b>           | Intel® Core™ i5-4460 Processor (6M Cache, 4x3.20 GHz) |
| <b>Memory Support:</b>          | up to 8GB (max);                                      |
| <b>Installed Memory:</b>        | 4 GB                                                  |
| <b>Graphic Card:</b>            | Intel HD Graphics                                     |
| <b>Audio:</b>                   | Realtek ALG662 6 sound track audio frequency          |
| <b>Storage (HDD) Support:</b>   | 32 - 512 GB SSD / 320 - 1TB HDD                       |
| <b>Installed Storage (HDD):</b> | 64 GB S-ATA SSD / 500 GB HDD (opcja)                  |

|                                        |                                                                                       |
|----------------------------------------|---------------------------------------------------------------------------------------|
| <b>CD/DVD Drive:</b>                   | -----                                                                                 |
| <b>LAN:</b>                            | Realtek RTL 8111E, 10/100/1000Mbit 1 x RJ45 Port                                      |
| <b>Wireless LAN card:</b>              | Yes                                                                                   |
| <b>Bluetooth:</b>                      | -----                                                                                 |
| <b>3G:</b>                             | -----                                                                                 |
| <b>GPS:</b>                            | -----                                                                                 |
| <b>TV Tuner:</b>                       | -----                                                                                 |
| <b>Watch Dog Timer:</b>                | -----                                                                                 |
| <b>Ports - front panel:</b>            | -----                                                                                 |
| <b>Ports - rear panel:</b>             | 1x COM(RS-232) / 4x USB 2.0 / 1x HDMI / 1x VGA / 1xLAN / 1x Audio / 1x MIC / 1x DC-in |
| <b>Ports - left panel:</b>             | -----                                                                                 |
| <b>Ports - right panel:</b>            | -----                                                                                 |
| <b>Power:</b>                          | 12V DC-in                                                                             |
| <b>Supported OS:</b>                   | Microsoft Windows: XP/Vista/7/8/8.1; Linux                                            |
| <b>Installed OS:</b>                   | -----                                                                                 |
| <b>Dimensions:</b>                     | 427 x 350 x 55 mm                                                                     |
| <b>Weight:</b>                         | 13 kg                                                                                 |
| <b>Expansion:</b>                      | -----                                                                                 |
| <b>Fanless:</b>                        | No                                                                                    |
| <b>Humidity:</b>                       | 10%~ 80%                                                                              |
| <b>Temp:</b>                           | -10°C ~ 60°C                                                                          |
| <b>Storage Temp:</b>                   | -30°C ~ 60°C                                                                          |
| <b>IP Norm:</b>                        | Front panel                                                                           |
| <b>IP Level (back panel):</b>          | -----                                                                                 |
| <b>IP Level (front panel):</b>         | -----                                                                                 |
| <b>Dual display:</b>                   | Yes                                                                                   |
| <b>Response time touch-panel (ms):</b> | 5                                                                                     |
| <b>Contrast Ratio:</b>                 | 1000:1                                                                                |

|                                                   |                            |
|---------------------------------------------------|----------------------------|
| <b>Brightness:</b>                                | 300 cd/m2                  |
| <b>Viewing Angle:</b>                             | H170/170 V160/160          |
| <b>Backlight MTBF:</b>                            | LED                        |
| <b>Color Resolution:</b>                          | 16.7 M                     |
| <b>Surface hardness (display):</b>                | -----                      |
| <b>Touch Life(contacts):</b>                      | more than 35 000 000 times |
| <b>Housing material:</b>                          | Metal                      |
| <b>Mounting VESA:</b>                             | Yes                        |
| <b>Folding Bracket (for office type working):</b> | Yes                        |
| <b>Power Consumption:</b>                         | 40 W                       |
| <b>Others:</b>                                    | Housing color: Black       |
| <b>Anti-vibration:</b>                            | -----                      |
| <b>Anti-shock:</b>                                | -----                      |
| <b>RFID scanner (reader):</b>                     | -----                      |
| <b>Barcode reader:</b>                            | -----                      |

**Product from the Archive - production finished**

# MTouch

## Industrial PanelPC MobiBOX 19 i5



- 19"** 19 inch
- Screen Ratio: 4:3
- Resolution: 1280 \* 1024
- Combine Multi Ports
- LED backlight
- Touch Accuracy: <0.2m

## Industrial Panel PC

Industrial Panel PC are excellent in environments dominated by dust, dirt and moisture. They are ideal for applications that require quiet operation.

[go top...](#)





**CPU:** Intel® Core™ i5-4460 (4x3.20 GHz)



**Memory:** 4GB RAM



**Disk:** 64GB SSD / 500 GB HDD (**option**)



**System:** Windows 10 / Windows 8.1/8 / Windows 7 / Windows XP / Linux



**Screen:** 19" / 1280x1024 / 4:3 / 5 - Wire Resistive



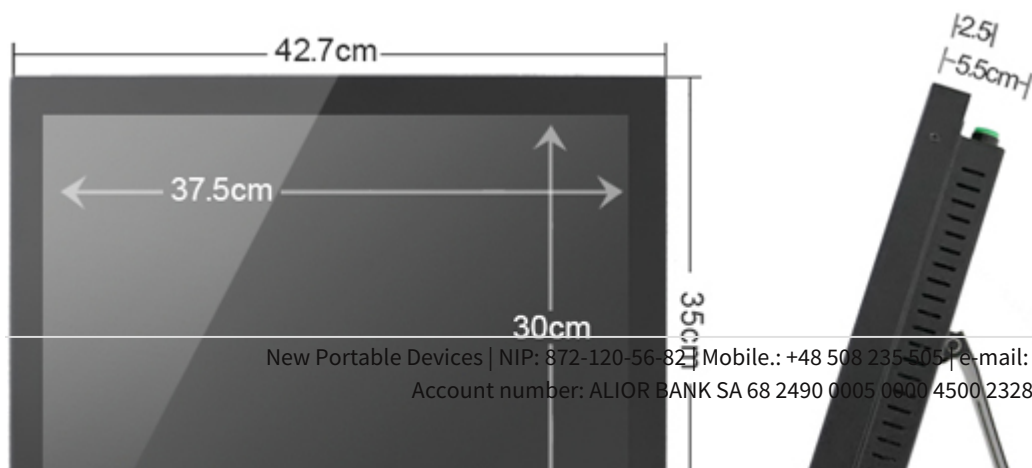
**Expansion cards:** 2 x Mini PCI Express

Detailed specification of the configuration available in the "**Technical data**"

Using the latest technology Panel PC is designed for continuous multitasking operating with low power consumption (**40 W**). An important advantage is the effective combination of small size with considerable opportunities, through the use of **Intel® Core i5** processor family, Intel chipsets and DDR3 memory. Integrated Intel®HD Graphics video graphics card and audio Realtek ALC662 allow you to play a wide range of applications and media files (video, audio). Disks offer free space from **32GB** SSD to 512GB SSD (**320GB** to 1TB HDD option).

#### Dimensions:

Housing dimension are **427 x 350 x 55 mm** Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **13 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.





### Communication:

Industrial PanelPC MobiBOX 19 i5 standard has a system of wireless Wi-Fi communication. Optionally in other models are available also modules such as 3G.



### Connector:

Integrated IntelRTL8111E LAN 1xRJ 1000M-45, WiFi module allows you to connect the device to the network. The computer is equipped with: one LAN connector, one COM ports (RS232), one VGA, one HDMI output, four USB 2.0 ports, one audio out, one microphone input, and a power DC-in.



1. Antena WI-FI
2. COM (RS-232)
3. 2 x USB 2.0
4. HDMI

5. VGA
6. 2 x USB 2.0
7. LAN (RJ 45)
8. Audio

9. Mic
10. DC-in

## Dual Display





Industrial PanelPC MobiBOX 19 i5 has a water-resistant front panel and scratch resistant LED screen. With 1280x1024 resolution and high brightness of 300 cd/m2, screen of "5 wire resistive" type with high sensitivity to touch, offers the user a clear picture and ease of use.

# MTouch

## 5-Wire resistive

**mobilator.pl**

### Resistive screen

A resistive touchscreen comprises of several layers, out of which the flexible plastic and glass layers are two important electrically resistive layers. The front surface of resistive touchscreen panel is a scratch-resistant plastic with coating of a conductive material (mostly Indium Tin Oxide, ITO), printed underside. The second important layer is either made of glass or hard plastic and is also coated with ITO. Both the layers face each other and are separated with a thin gap in between. An electrical resistance is created between both the layers in such a way that charge runs from top to bottom in one layer and side-to-side in another. When a finger or stylus tip presses down on the outer surface, both the ITO films meet. It is the measure of the resistance of both the layers at point of contact, which leads to get an accurate measurement of the touch position. The accuracy also relies on the evenness of the coating of ITO on both the layers.

### Resistive touchscreen



