

## MTouch



### Operator Panel Industrial MobiBOX Fanless IP65 J1900 12 v.4



<b>Category:</b>	Industrial Panel PC Computers
<b>Manufacturer:</b>	Mobikator
<b>Supported OS:</b>	Microsoft Windows: 7/8.1/10; Linux
<b>Installed OS:</b>	-----
<b>Screen size:</b>	12.1"
<b>Resolution:</b>	1024 x 768
<b>Aspect ratio:</b>	4:3
<b>Brightness:</b>	350 cd/m2
<b>Touchscreen:</b>	Resistive Type 5-Wire Capacitive <b>(option)</b>
<b>CPU Support:</b>	Intel® Celeron™ J1900 (4 x 2.0 GHz)
<b>Installed CPU:</b>	Intel® Celeron™ J1900 (4 x 2.0 GHz)
<b>Graphic Card:</b>	Intel HD Graphics
<b>Storage (HDD) Support:</b>	32 - 512 GB SSD / 320 - 1TB HDD
<b>Installed Storage (HDD):</b>	128 GB SSD
<b>Memory Support:</b>	up to 8GB (max);
<b>Installed Memory:</b>	4 GB
<b>IP Norm:</b>	-----
<b>IP Level (front panel):</b>	IP65

<b>IP Level (back panel):</b>	-----
<b>Temp:</b>	-10°C ~ 60°C
<b>Storage Temp:</b>	-30°C ~ 60°C
<b>Humidity:</b>	10%~ 80%
<b>Anti-shock:</b>	-----
<b>Anti-vibration:</b>	-----
<b>Barcode reader:</b>	-----
<b>RFID scanner (reader):</b>	-----
<b>Others:</b>	Housing color: Black / Silver
<b>LAN:</b>	1 x RTL811E gigabit network card
<b>Wireless LAN card:</b>	Yes
<b>3G:</b>	-----
<b>Bluetooth:</b>	-----
<b>GPS:</b>	-----
<b>Ports - rear panel:</b>	1x COM(RS-232)4x USB 2.01x HDMI1x VGA1xLAN1x Audio1x MIC1x DC-in
<b>Ports - front panel:</b>	-----
<b>Ports - left panel:</b>	-----
<b>Ports - right panel:</b>	-----
<b>Expansion:</b>	-----
<b>Power:</b>	12V DC-in
<b>Power Consumption:</b>	40 W
<b>Watch Dog Timer:</b>	-----
<b>Mounting VESA:</b>	Yes
<b>Folding Bracket (for office type working):</b>	-----
<b>Chipset:</b>	Intel NM10
<b>CD/DVD Drive:</b>	-----
<b>Audio:</b>	Realtek ALG662
<b>TV Tuner:</b>	-----

<b>Backlight MTBF:</b>	LED
<b>Contrast Ratio:</b>	800:1
<b>Dual display:</b>	Yes
<b>Viewing Angle:</b>	70°-85°
<b>Touch Life(contacts):</b>	more than 35 000 000 times
<b>Surface hardness (display):</b>	-----
<b>Color Resolution:</b>	16.7 M
<b>Response time touch-panel (ms):</b>	5
<b>Housing material:</b>	Aluminum Alloy+High Strength Cold Rolled Steel
<b>Dimensions:</b>	319 x 257 x 48 mm
<b>Fanless:</b>	Yes
<b>Weight:</b>	3.51 kg

**Product from the Archive - production finished**

**Operator Panel Industrial**  
**MobiBOX IP65 FANLESS J1900 12.1**

**MTouch**

**IP65**  
INGRESS PROTECTION

- 12" 12.1 inch**
- Screen Ratio 4:3**
- Resolution: 1024x768**
- Combine Multi Ports**
- LED backlight**
- 5 wire resistive**

**intel**  
**Celeron**  
inside™

## **Industrial Panel PC**

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

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**MTouch**



**Panel PC**



**CPU:** Intel® Celeron™ Procesor J1900 (2M Cache, 4 x 2.00 GHz)



**Memory:** 4GB RAM



**Disk:** 128 GB SSD



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



**Screen:** 12.1" / 1024x768 / 4:3 / 5 - Wire Resistive



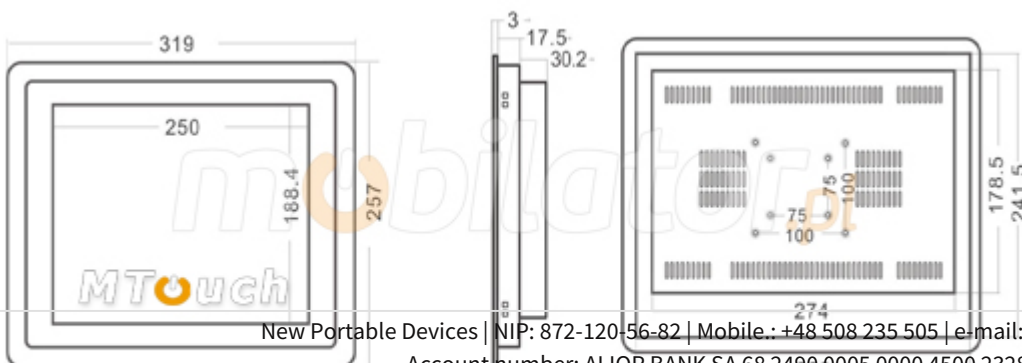
**Expansion cards:** none

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® Celeron** 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 **319 (W) x 257 (L) x 50 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **3,5 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.



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## Communication:

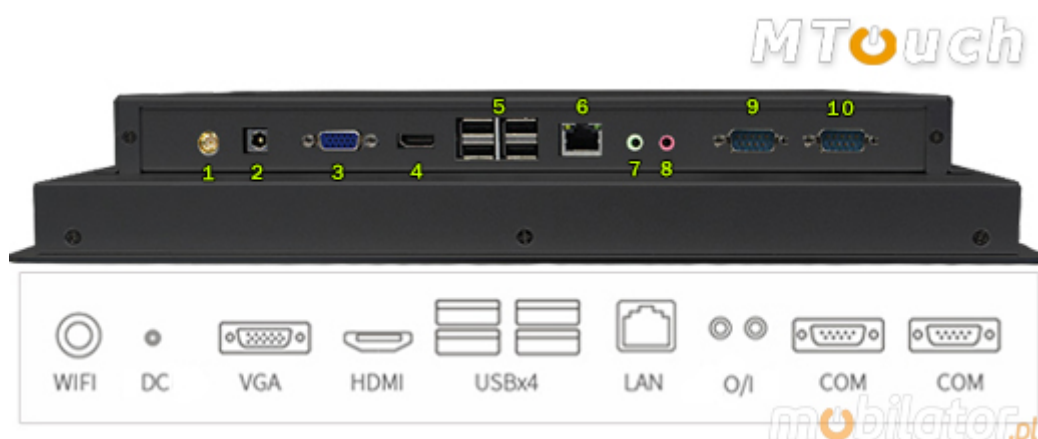
Operator Panel Industrial MobiBOX Fanless IP65 J1900 12.1 standard has a system of wireless Wi-Fi communication. Optionally in other models are available also modules such as 3G.



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## Connector:

Integrated **Intel RTL811E Gigabit LAN 1xRJ-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**.

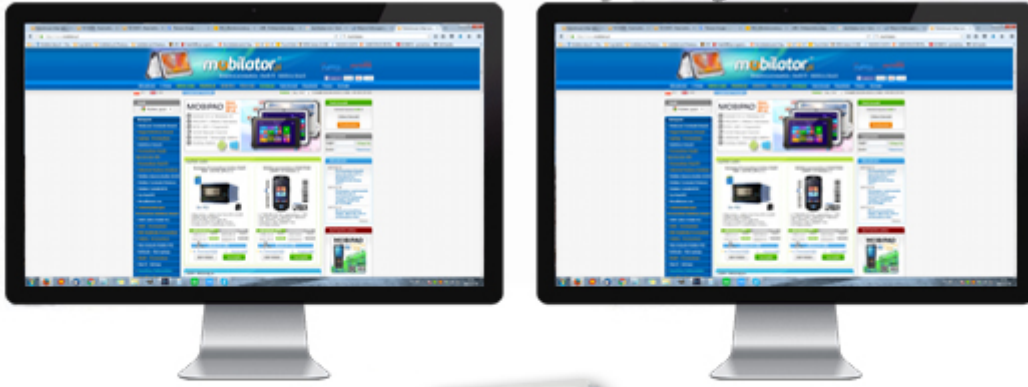


1. Antena WI-FI
2. DC-IN
3. VGA
4. HDMI

5. 4 x USB 2.0
6. RJ-45
7. Audio
8. Mic

9. COM (RS-232)

# Dual Display



**HDMI**™  
HIGH DEFINITION MULTIMEDIA INTERFACE



**VGA**



Operator Panel Industrial MobiBOX Fanless IP65 J1900 12.1 has a water-resistant front panel and scratch resistant LED screen. With resolution and high brightness of 350 cd/m2, screen of "5 wire resistive" type with high sensitivity to touch, offers the user a clear ease of use.

# MTouch



## 5-vire resistive



### Resistive screen

A resistive touchscreen comprises of several layers, out of which the flexible plastic and glass layers are two important electrical layers. The front surface of resistive touchscreen panel is a scratch-resistant plastic with coating of a conductive material (mostly Indium Oxide, ITO), printed underside. The second important layer is either made of glass or hard plastic and is also coated with ITO. Both 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 a 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, the two ITO films meet. It is the measure of the resistance of both the layers at point of contact, which leads to get an accurate measure of touch position. The accuracy also relies on the evenness of the coating of ITO on both the layers.



### Resistive touchscreen



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Resistive screen ensures good visibility, which falls quite firmly in the sun. This type of screen as opposed to a capacitive screen, a

