

## MTouch



Operator Panel Industrial MobiBOX IP65  
1037U 17 3G v.5



<b>Category:</b>	Industrial Panel PC Computers
<b>Manufacturer:</b>	Mobilator
<b>Screen size:</b>	17"
<b>Resolution:</b>	1024 x 1280
<b>Aspect ratio:</b>	4:3
<b>Touchscreen:</b>	Resistive Type 5-Wire Capacitive ( <b>option</b> )
<b>Chipset:</b>	Intel NM10
<b>CPU Support:</b>	Intel Celeron 1037U (2 x 1.80GHz)
<b>Installed CPU:</b>	Intel Celeron 1037U (2 x 1.80GHz)
<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
<b>Storage (HDD) Support:</b>	32 - 512 GB SSD / 320 - 1TB HDD
<b>Installed Storage (HDD):</b>	128 GB SSD

<b>CD/DVD Drive:</b>	-----
<b>LAN:</b>	1 x RTL811E gigabit network card
<b>Wireless LAN card:</b>	Yes
<b>Bluetooth:</b>	-----
<b>3G:</b>	Yes
<b>GPS:</b>	-----
<b>TV Tuner:</b>	-----
<b>Watch Dog Timer:</b>	-----
<b>Ports - front panel:</b>	-----
<b>Ports - rear panel:</b>	2x COM(RS-232)4x USB 2.01x HDMI1x VGA1xLAN1x Audio1x MIC1x DC-in
<b>Ports - left panel:</b>	-----
<b>Ports - right panel:</b>	-----
<b>Power:</b>	12V DC-in
<b>Supported OS:</b>	Microsoft Windows: 7/8.1/10; Linux
<b>Installed OS:</b>	-----
<b>Dimensions:</b>	414 x 345 x 57 mm
<b>Weight:</b>	4 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>	-----
<b>IP Level (back panel):</b>	-----
<b>IP Level (front panel):</b>	IP65
<b>Dual display:</b>	Yes
<b>Response time touch-panel (ms):</b>	5
<b>Contrast Ratio:</b>	1000:1

<b>Brightness:</b>	350 cd/m <sup>2</sup>
<b>Viewing Angle:</b>	70°-85°
<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>	Aluminum Alloy+High Strength Cold Rolled Steel
<b>Mounting VESA:</b>	Yes
<b>Folding Bracket (for office type working):</b>	-----
<b>Power Consumption:</b>	40 W
<b>Others:</b>	Housing color: Black / Silver
<b>Anti-vibration:</b>	-----
<b>Anti-shock:</b>	-----
<b>RFID scanner (reader):</b>	-----
<b>Barcode reader:</b>	-----

Product from the Archive - production finished



## **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.

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**M**Touch



Panel PC



**CPU:** Intel® Celeron™ Procesor 1037U (2M Cache, 2 x 1.80 GHz)



**Memory:** 4GB RAM



**Disk:** 128 GB SSD



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



**Screen:** 17" / 1024x1280 / 4:3 / 5 - Wire Resistive



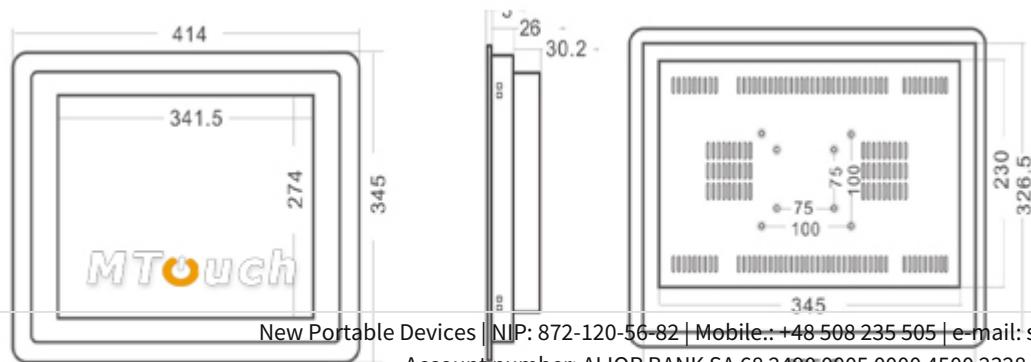
**Expansion cards:** 3G module

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 **414 (W) x 345 (L) x 57 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **4 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.





## Communication:

Operator Panel Industrial MobiBOX IP65 1037U 17 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, two **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

5. 4 x USB 2.0

9. COM (RS-232)

2. DC-IN

6. RJ-45

10. COM (RS-232)

3. VGA

7. Audio

4. HDMI

8. Mic

# Dual Display



**HDMI**  
HIGH DEFINITION MULTIMEDIA INTERFACE

**VGA**



Operator Panel Industrial MobiBOX IP65 1037U 17 has a water-resistant front panel and scratch resistant LED screen. With 1024x1280 resolution and high brightness of 350 cd/m<sup>2</sup>, screen of "5 wire resistive" type with high sensitivity to touch, offers the user a clear picture and easy control.



**5-Wire resistive**

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#### 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 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 measurement of the touch position. The accuracy also relies on the evenness of the coating of ITO on both the layers.



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Resistive screen ensures good visibility, which is quite handy in the sun. This type of screen as opposed to a capacitive screen, allows for use handwriting (stylus comes in handy here).

