



8.1"



Operating Panel Fanless Panel PC ITPC-A8 High (WiFi)



2 x LAN



<b>Category:</b>	Industrial Panel PC Computers
<b>Manufacturer:</b>	Mobikator
<b>Supported OS:</b>	Microsoft Windows 7
<b>Installed OS:</b>	-----
<b>Screen size:</b>	8.1"
<b>Resolution:</b>	800 x 480
<b>Aspect ratio:</b>	-----
<b>Brightness:</b>	400 cd/m2
<b>Touchscreen:</b>	Resistive Type 4-Wire
<b>CPU Support:</b>	Intel® Celeron™ Processor 1037U (2 x 1.8GHz)
<b>Installed CPU:</b>	Intel® Celeron™ Processor 1037U (2 x 1.8GHz)
<b>Graphic Card:</b>	Intel® HD Graphics
<b>Storage (HDD) Support:</b>	SSD, HDD
<b>Installed Storage (HDD):</b>	32 GB SSD
<b>Memory Support:</b>	DDRIII SODIMM
<b>Installed Memory:</b>	4GB DDR3
<b>IP Norm:</b>	-----
<b>IP Level (front panel):</b>	-----

<b>IP Level (back panel):</b>	-----
<b>Temp:</b>	-20°C ~ 65°C
<b>Storage Temp:</b>	-40°C ~ 85°C
<b>Humidity:</b>	10%~ 98%
<b>Anti-shock:</b>	-----
<b>Anti-vibration:</b>	-----
<b>RFID scanner (reader):</b>	-----
<b>Others:</b>	-----
<b>LAN:</b>	Realtek RTL 8111E, 1000Mbit 2 x RJ45 Port
<b>Wireless LAN card:</b>	Yes
<b>3G:</b>	-----
<b>Bluetooth:</b>	-----
<b>GPS:</b>	-----
<b>Ports - rear panel:</b>	Power ON/OFF; 2 x USB 2.0; 2 x RJ-45 LAN; 4 x RS-232 COM; 1 x VGA; 1 x GPIO
<b>Ports - front panel:</b>	-----
<b>Ports - left panel:</b>	-----
<b>Ports - right panel:</b>	-----
<b>Expansion:</b>	-----
<b>Power:</b>	9~36V DC-IN
<b>Power Consumption:</b>	20 W
<b>Watch Dog Timer:</b>	0~255 sec.
<b>Mounting VESA:</b>	Pane for carl, Wall, Rack, Stand and Arm VESA 100mm x 100mm
<b>Folding Bracket (for office type working):</b>	No
<b>Chipset:</b>	NM70
<b>CD/DVD Drive:</b>	-----
<b>Audio:</b>	HD Audio
<b>TV Tuner:</b>	-----
<b>Backlight MTBF:</b>	LED

<b>Contrast Ratio:</b>	-----
<b>Dual display:</b>	No
<b>Viewing Angle:</b>	-----
<b>Touch Life(contacts):</b>	>50.000.000 times
<b>Surface hardness (display):</b>	-----
<b>Color Resolution:</b>	-----
<b>Response time touch-panel (ms):</b>	10
<b>Housing material:</b>	Aluminum
<b>Dimensions:</b>	217.5 x 176.5 x 76 mm
<b>Fanless:</b>	Yes
<b>Weight:</b>	2.96 kg

## Product from the Archive - production finished



Products **Panel PCs** are new distribution Mobilator-a. This innovative device that may be widely used in cars, line production itc. They can be connected to multiple modules, eg. in charge of the engine.

## Industrial Panel PC

Fanless industrial Panel PC are excellent in environments dominated by dust, dirt and moisture. They are ideal for applications that require quiet operation. Small and reliable Panel PC uses of heat-pipe technology.

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## Panel PC

## Operating Panel Fanless Panel PC ITPC-A8 (WiFi)



**CPU:** Intel® Celeron™ 1037U (2M Cache, 2 x 1.8GHz)



**Memory:** 4GB RAM DDRIII SODIMM



**Disk:** 32GB SSD



**System:** Windows 7



**Screen:** 8.1" / 800x480 / 4 - Wire Resistive

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

Using the latest technology (industrial fanless) Panel PC is designed for continuous multitasking operating with low power consumption (**20 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 **HD Audio** allow you to play a wide range of applications and media files (video, audio). Disks offer free space

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Account number: ALIOR BANK SA 68 2490 0005 0000 4500 2328 8078



# TFT LCD

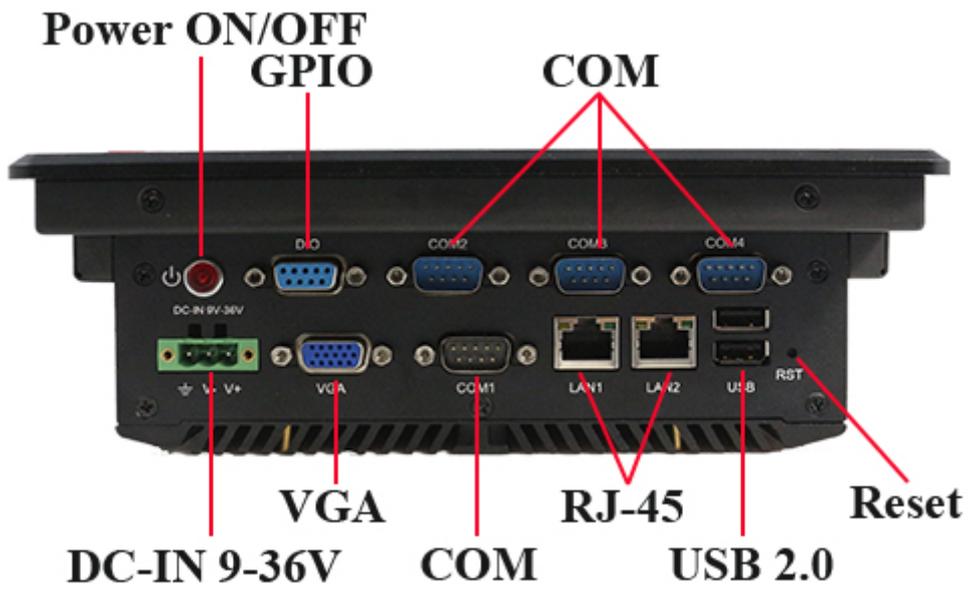
# 8.1"



# Opc. 10" 12" 15" 17" 19"

## Connector:

Integrated **IntelRTL8111E LAN 2xRJ-45 1000M** and **WiFi** module allows you to connect the device to the network. The computer is equipped with: two **LAN** connector, four **COM ports (RS232)** (COM1 can be support **RS422/485**), two **USB 2.0** ports, one **VGA** output, one **GPIO** input/output.





Operating Panel Fanless Panel PC ITPC-A8 (WiFi) has a scratch resistant TFT LCD. With 800x480 resolution and high brightness of 400 cd/m2, screen of "4 wire resistive" type with high sensitivity to touch, offers the user a clear picture and ease of use.



# 800x480

# 4 WIRE RESISTIVE

## 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**

