



8.1"



Operating Panel Fanless Panel PC ITPC-A8
(WiFi)



2 x LAN



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

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

Contrast Ratio:	-----
Dual display:	No
Viewing Angle:	-----
Touch Life(contacts):	>50.000.000 times
Surface hardness (display):	-----
Color Resolution:	-----
Response time touch-panel (ms):	10
Housing material:	Aluminum
Dimensions:	217.5 x 176.5 x 76 mm
Fanless:	Yes
Weight:	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: 2GB RAM DDR3 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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TFT LCD

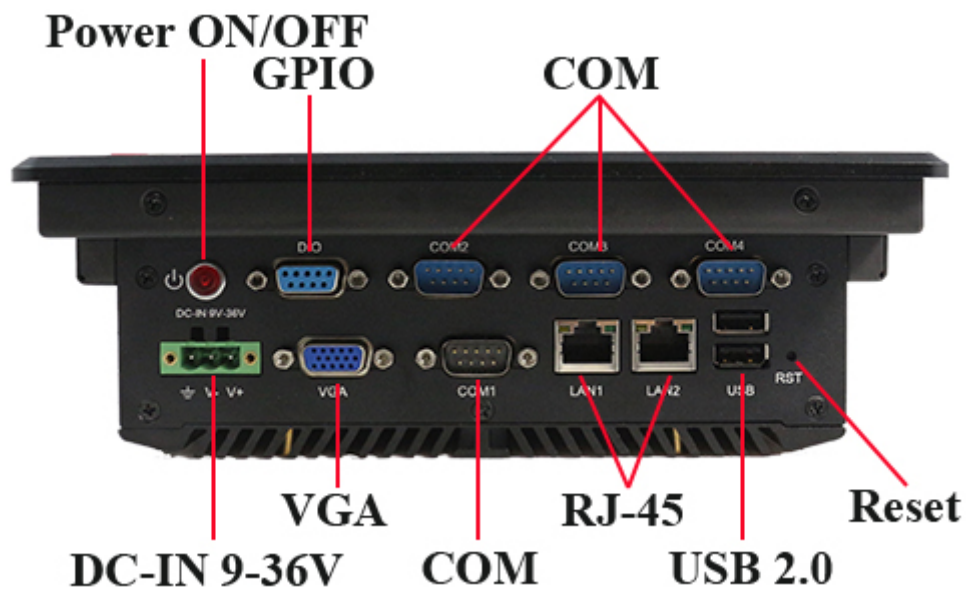
8.1"



Opł. 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.



