



## Passively cooled industrial PC touch panel IBOX ITPC A-170 J1900 v.3

<b>Category:</b>	Industrial Panel PC Computers
<b>Manufacturer:</b>	Mobikator
<b>Supported OS:</b>	Windows 7/8.1/10   Linux
<b>Installed OS:</b>	-----
<b>Screen size:</b>	17"
<b>Resolution:</b>	1024 x 768
<b>Aspect ratio:</b>	-----
<b>Brightness:</b>	250 cd/m2
<b>Touchscreen:</b>	Resistive
<b>CPU Support:</b>	Intel Celeron J1900 (4x 2GHz)
<b>Installed CPU:</b>	Intel Celeron J1900 (4x 2GHz)
<b>Graphic Card:</b>	Intel HD Graphics
<b>Storage (HDD) Support:</b>	SSD   HDD
<b>Installed Storage (HDD):</b>	<b>500GB HDD</b>
<b>Memory Support:</b>	DDR3L SO-DIMM (max. 8GB)

<b>Installed Memory:</b>	<b>4GB</b>
<b>IP Norm:</b>	-----
<b>IP Level (front panel):</b>	-----
<b>IP Level (back panel):</b>	-----
<b>Temp:</b>	-10°C ~ 50°C
<b>Storage Temp:</b>	-20°C ~ 60°C
<b>Humidity:</b>	0%~ 95%
<b>Anti-shock:</b>	-----
<b>Anti-vibration:</b>	-----
<b>Barcode reader:</b>	-----
<b>RFID scanner (reader):</b>	-----
<b>Others:</b>	Color Black
<b>LAN:</b>	Realtek RTL-8111F 10/100/1000 Mb/s
<b>Wireless LAN card:</b>	Intel 6205 Dual-Band 802.11 a/b/g/n
<b>3G:</b>	No
<b>Bluetooth:</b>	No
<b>GPS:</b>	-----
<b>Ports - rear panel:</b>	1x USB 3.0 3x USB 2.0 2x RS232 1x Gigabit LAN 1x VGA 1x HDMI 1x Mic 1x Audio DC 12V
<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>	-----
<b>Watch Dog Timer:</b>	-----
<b>Mounting VESA:</b>	Yes
<b>Folding Bracket (for office type working):</b>	-----
<b>Chipset:</b>	Intel Celeron

<b>CD/DVD Drive:</b>	-----
<b>Audio:</b>	-----
<b>TV Tuner:</b>	-----
<b>Backlight MTBF:</b>	LED
<b>Contrast Ratio:</b>	1000:1
<b>Dual display:</b>	Yes
<b>Viewing Angle:</b>	Full
<b>Touch Life(contacts):</b>	-----
<b>Surface hardness (display):</b>	-----
<b>Color Resolution:</b>	-----
<b>Housing material:</b>	Aluminum
<b>Dimensions:</b>	405mm x 337mm x 54 mm
<b>Fanless:</b>	Yes
<b>Weight:</b>	5.6 kg

**3 113,44 zł**

net price: 2 531,25 zł



**SPECIFICATION AND PARAMETERS**

**DISPLAY AND TOUCH**

**RESISTANCE AND PROTECTION**

**COMMUNICATION AND CONNECTORS**

**APPLICATION**

**AVAILABLE VERSIONS AND ACCESSORIES**

Industrial PC panels are integrated devices consisting of a PC computer and a touch monitor. Due to their design, they can work even under severe conditions prevailing in industrial environments, such as high humidity, high dustiness, contact with water or very low or high temperatures. These panels are characterized by high efficiency and stability of operation in all conditions.



#### Passive cooling

Use of passive cooling in the PC panel ensures silent operating and slows down deposition of dust.



#### Data storage

Large capacity of hard drive allows storing important user data without need of discarding some of it due to lack of space.



#### Efficient

The quad-core Intel Celeron processor supported by 4 or 8 GB of RAM improves the device's performance.



#### Bright Screen

The display with 250 cd/ m<sup>2</sup> brightness makes the picture much more vivid and better readable when used outside in the sun.



#### Wireless network

The panel can be connected to nearby wireless networks by equipping it with an optional Wi-Fi module.



#### Resistive screen

The resistive screen allows you to freely use the touch screen of the PC panel in gloves or with a stylus.

## Specifications and parameters

Performance	
Processor	Intel Celeron J1900 (4x 2GHz)
Graphics card	Intel HD Graphics
Operating system	Windows 7/8/10/CE   Linux
RAM	4 GB DDR3L
Drive	HDD: 500 GB
Display	
Screen	17" (1024 x 768)
Touch screen	Resistive, single-point
Brightness	250cd/m <sup>2</sup>
Screen ratio	4:3
View angle	Full
Touch screen lifetime	Over 50 million touches
Interfaces	
Communication	Wi-Fi
Connectors	1x USB 3.0   3x USB 2.0   2x RS232   1x Gigabit LAN   1x VGA   1x HDMI   1x Mic   1x Audio   DC 12V
Other	
Dimensions	405 x 337 x 54mm
Weight	5.6 kg
Casing material	Aluminum



Detailed device specification is available in the "Technical data" tab.

The dust-proof industrial PC panel uses an efficient and energy-saving Intel Celeron J1900 processor. In its interior there are two cooperating cores enabling more efficient processing of many tasks at the same time. Shared cache memory in which a multi-level hierarchy is used is dynamically allocated to each processor core depending on the load. This reduces the average access time to the main memory. Improved graphics card technology allows you to enjoy movies at full resolution and HD quality.



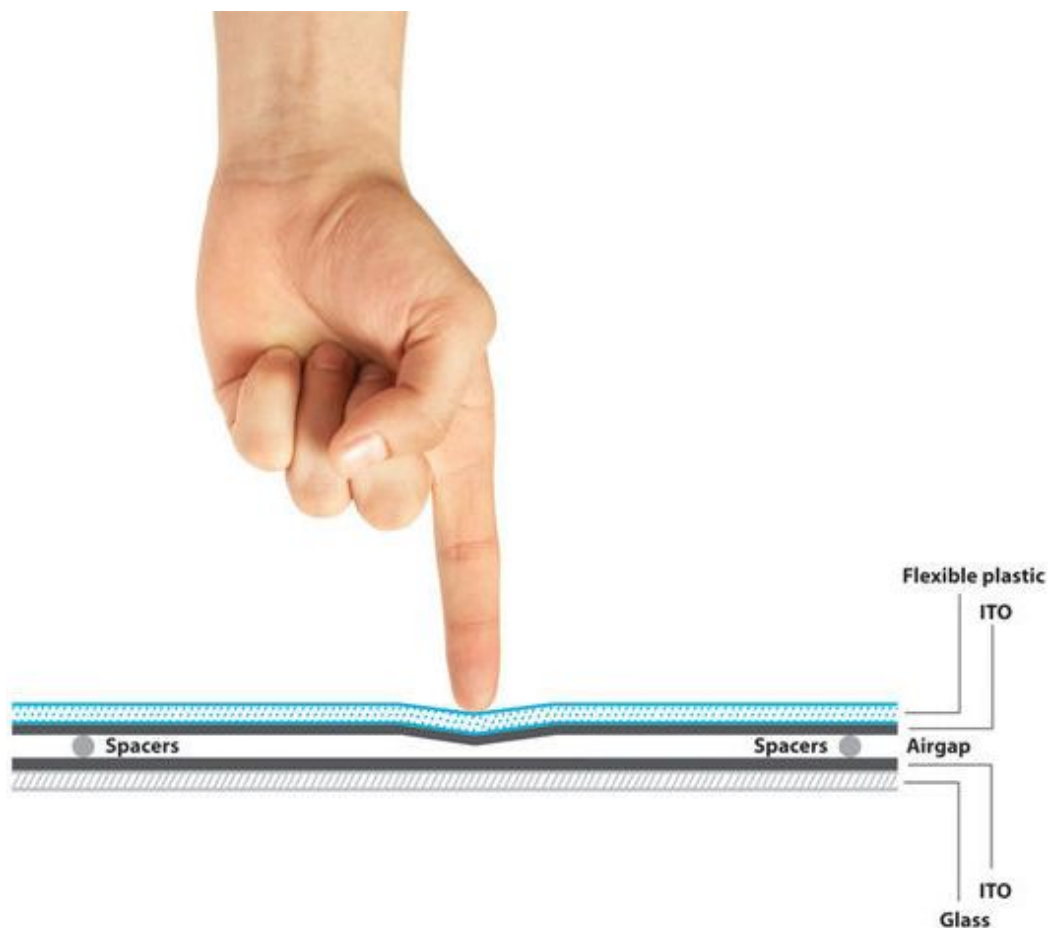
More photos in full resolution available in the "Gallery" tab.

Display and touch

Amplified, waterproof industrial computer ITPC A170 has a water-resistant and scratch-proof 17" LED screen 1024x768 resolution offers good image quality, and high brightness in the 250 cd/m<sup>2</sup> range gives better color saturation and contrast and allows significantly improved visibility even in the case of incident. The display of the resistive type provides the user with a clear image and ease of use by touch.

## **RESISTIVE SCREEN**

In the resistive screen, the sensitive surface is made of two plastic plates. The plate on the surface is made of thin and scratch-resistant plastic. It is also covered with a thin layer of conductive materials placed on the bottom of the screen. Under the top glass (i.e. below the conductive material) is a second plastic plate. Both tiles have no contact with each other until the user of the device has pressed the screen with a finger or stylus. Then there is contact between slightly separated screens. As a result of their contact, a short-circuit is created, which by measuring the vertical and horizontal resistance is converted into data indicating the processor's contact point.



Resistance and protection

## QUALITY OF MATERIALS

Panel PC has a high quality casing made from steel alloys. It is a very crucial component of cooling system thanks to openings allowing air flow inside casing, supporting constantly working fan. Overall design concentrates on simplicity and functionality which are in high demand amongst professionals.



## EXTREME TEMPERATURES

PanelPC ITPC A170 is adapted for continuous operation in both very low and high temperatures in the range from  $-10^{\circ}\text{C}$  to  $50^{\circ}\text{C}$ . If the device is switched off, it can already handle temperatures between  $-20^{\circ}\text{C}$  and  $60^{\circ}\text{C}$ . In addition, the durable PanelPC is perfect for rooms with increased humidity, ensuring proper functioning even in the case of 95% relative humidity.

<b>Work temp.</b>	$-10^{\circ}\text{C}$ do $50^{\circ}\text{C}$
<b>Storage temp.</b>	$-20^{\circ}\text{C}$ do $60^{\circ}\text{C}$
<b>Humidity</b>	0% - 95%

## Communication and connectors

### (OPTIONAL) WIRELESS WI-FI NETWORK

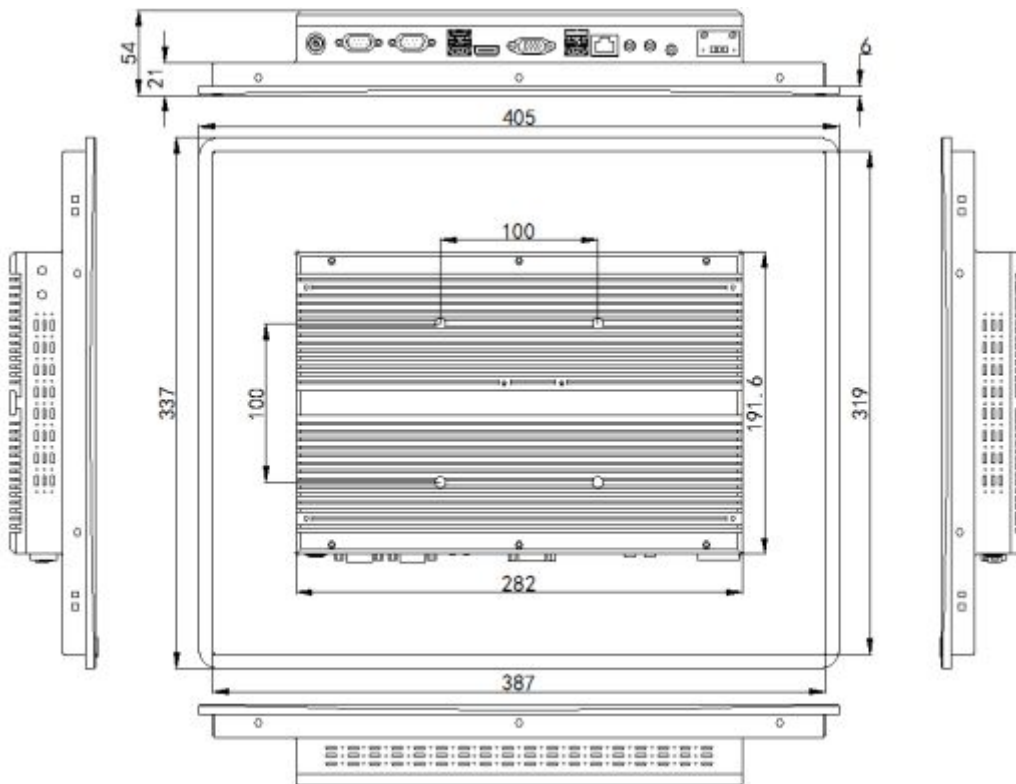
The dual-band Wi-Fi module provides quick access to the network wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a router at home or place of residence and a wireless network that can be used at no extra charge. The shockproof industrial panel ITPC A170 has been equipped with standards - 802.11n, which allows transfer of files at a dizzying speed of up to 150 Mb/s.

<b>Standards</b>	802.11a/b/g/n
<b>Frequencies</b>	2.4GHz   5GHz

### CONNECTORS AND INTERFACES



## DIMENSIONS



## Application



### TRADE AND SERVICES

PC Panel is widely used primarily in the commercial industry, for example for controlling the sales system, displaying product information on monitors or advertising on large screens. With the VESA holder in the housing there are many possibilities for its assembly, eg in stores (at the cash register) in factory halls, in a car delivering products, etc. It will certainly be used in all types of retail chains.

### WAREHOUSE AND MANAGEMENT

The industrial panel computer thanks to the RS232 interface can be used to connect many devices in the warehouse and facilitate their control. And its rugged housing is ideally suited to the harsh conditions prevailing in such

rooms. No dust or dirt will prevent him from working, he will work without complaints even in a large dusty and dirty environment.

## TRANSPORT AND MOTORIZATION

Panel computers can be used in transport by adapting it to work on 12V power supply. Then Panel PC can be used in passenger cars, buses, trams, taxis, trains and even in airplanes. Thanks to the integrated monitor, these panels perform very well in vehicles where mobility and the small size of the device are important.

### Available versions and accessories

Industrial industrial computer ITPC A170 is offered in several versions adapted to different needs. By clicking on the number of the hardware configuration you will be redirected to the product with the parameters given in the table below. In addition, it is possible to create a configuration that is currently unavailable on the customer's request.

	v.0	v.1	v.2	v.3	v.4	v.5
4GB RAM	—	+	+	+	—	—
8GB RAM	—	—	—	—	+	+
32GB SSD	—	+	—	—	—	—
64GB SSD	—	—	+	—	—	—

128GB SSD	-	-	-	-	+	-
500GB HDD	-	-	-	+	-	-
1TB HDD	-	-	-	-	-	+
WiFi	-	-	+	+	+	+