



Resistant industrial PC panel with active cooling IBOX ITPC A-150 J1900 Barebone

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Screen size:	15"
Resolution:	1024 x 768
Aspect ratio:	-----
Touchscreen:	Resistive
Chipset:	Intel Celeron
CPU Support:	Intel Celeron J1900 (4x 2GHz)
Installed CPU:	Intel Celeron J1900 (4x 2GHz)
Memory Support:	DDR3L SO-DIMM (max. 8GB)
Installed Memory:	None (Available in other versions)
Graphic Card:	Intel HD Graphics
Audio:	-----
Storage (HDD) Support:	SSD HDD
Installed Storage (HDD):	None (Available in other versions)

CD/DVD Drive:	-----
LAN:	Intel I211AT 10/100/1000 Mb/s
Wireless LAN card:	Option (Available in other versions)
Bluetooth:	No
3G:	No
GPS:	-----
TV Tuner:	-----
Watch Dog Timer:	-----
Ports - front panel:	-----
Ports - rear panel:	2x USB 3.02x USB 2.02x RS2321x Gigabit LAN1x VGA1x HDMI1x Mic1x AudioDC 12V
Ports - left panel:	-----
Ports - right panel:	-----
Power:	12V DC-in
Supported OS:	Windows 7/8.1/10 Linux
Installed OS:	-----
Dimensions:	352mm x 263mm x 45 mm
Weight:	3.0 kg
Expansion:	-----
Fanless:	No
Humidity:	0%~ 95%
Temp:	-10°C ~ 50°C
Storage Temp:	-20°C ~ 60°C
IP Norm:	-----
IP Level (back panel):	-----
IP Level (front panel):	-----
Dual display:	Yes
Contrast Ratio:	1000:1
Brightness:	350 cd/m2

Viewing Angle:	Full
Backlight MTBF:	LED
Color Resolution:	-----
Surface hardness (display):	-----
Touch Life(contacts):	-----
Housing material:	Steel
Mounting VESA:	Yes
Folding Bracket (for office type working):	-----
Power Consumption:	-----
Others:	Color Black
Anti-vibration:	-----
Anti-shock:	-----
RFID scanner (reader):	-----
Barcode reader:	-----

Product from the Archive - production finished



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.



Active cooling

Use of active cooling in the PC panel ensures stable temperature level and uninterrupted functioning.



Quick start *

A modern SSD drive will increase the speed of applications and programs and ensure quiet computer operation.



Efficient



Bright Screen

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

The display with 350 cd/ m² 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.

^{*} Optional equipment, available only in specific versions of the device.

Specifications and parameters

Performance	
Processor	Intel Celeron J1900 (4x 2GHz)

Performance	
Graphics card	Intel HD Graphics
Operating system	Windows 7/8/10/CE Linux
RAM	None (4 8 GB DDR3L)
Drive	None (SSD: 32 64 128 GB)
Display	
Screen	15" (1024 x 768)
Touch screen	Resistive, single-point
Brightness	350cd/m ²
Screen ratio	4:3
View angle	Full
Touch screen lifetime	Over 50 million touches
Interfaces	
Communication	Wi-Fi *
Connectors	2x USB 3.0 2x USB 2.0 2x RS232 1x Gigabit LAN 1x VGA 1x HDMI 1x Mic 1x Audio DC 12V
Other	
Dimensions	352 x 263 x 45mm
Weight	3.0 kg
Casing material	Steel

* Optional equipment, available only in specific versions of the device.



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.

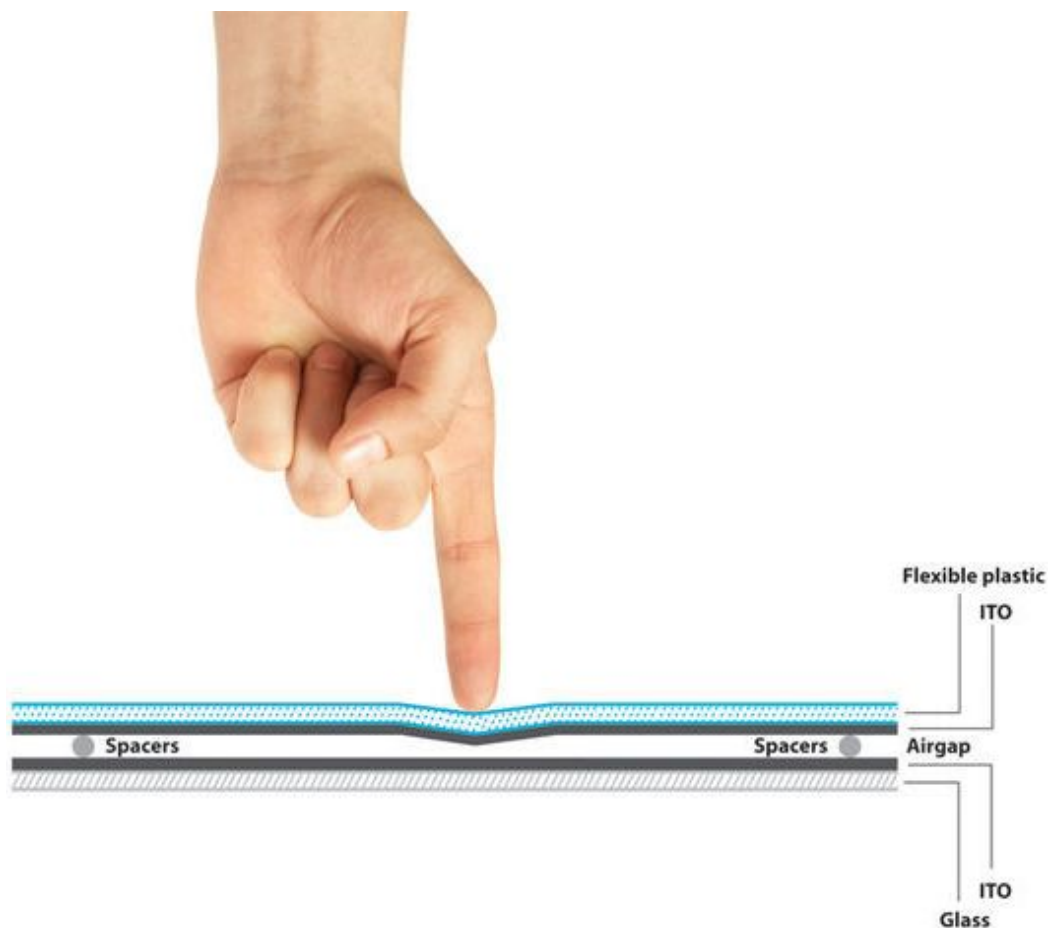
Display and touch

Amplified, waterproof industrial computer ITPC A150 has a water-resistant and scratch-proof 15" LED screen 1024x768 resolution offers good image quality, and high brightness in the 350 cd/m² range gives better color

saturation and contrast and allows significantly improved visibility even in the case of incident light. 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 A150 is adapted for continuous operation in both very low and high temperatures in the range from -10 ° C to 50 ° C. If the device is switched off, it can already handle temperatures between -20 ° C and 60 ° C. In addition, the durable PanelPC is perfect for rooms with increased humidity, ensuring proper functioning even in the case of 95% relative humidity.

Work temp.	-10°C do 50°C
Storage temp.	-20°C do 60°C
Humidity	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 A150 has been equipped with standards - 802.11n, which allows transfer of files at a dizzying speed of up to 150 Mb/s.

Standards	802.11a/b/g/n
Frequencies	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 A150 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	—	—				