

BiBOX-156PC2 (i3-4005U)



BiBOX-156PC2 (i3-4005U) v.3 - 15-inch IP65 reinforced panel - industrial touch computer - SSD expansion, 8 GB RAM with i3 (2xLAN, 4xUSB)

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Screen size:	15.6 inch
Resolution:	1920×1080
Aspect ratio:	16:9
Touchscreen:	10 Points Projected Capacitive Touch Screen
Chipset:	Intel
CPU Support:	Intel® Core™ i3-4005U (2x 1.70GHz)
Installed CPU:	Intel® Core™ i3-4005U (2x 1.70GHz)
Memory Support:	DDR3
Installed Memory:	4GB
Graphic Card:	Integrated graphics HD Graphics
Audio:	Yes
Storage (HDD) Support:	SSD / HDD
Installed Storage (HDD):	128GB SSD
CD/DVD Drive:	No
LAN:	2xRealtek RTL 8111E Gigabit Ethernet
Wireless LAN card:	Yes

Bluetooth:	Option
3G:	-----
4G LTE:	Option
GPS:	No
TV Tuner:	No
Watch Dog Timer:	-----
Ports - front panel:	-----
Ports - rear panel:	HDMI VGA 2x USB 3.0 2x USB 2.0 2xLAN Audio 2x COM DC-12V
Ports - left panel:	-----
Ports - right panel:	-----
Power:	DC-12V
Supported OS:	Windows 7/8/10, Linux, Ubuntu
Installed OS:	No
Dimensions:	388 x 245 x 38 mm
Weight:	5kg
Expansion:	-----
Fanless:	Yes
Humidity:	0% - 95% Non-Condensing
Temp:	-10 °C to 60 °C
Storage Temp:	-20 °C to 70 °C
IP Norm:	-----
IP Level (back panel):	-----
IP Level (front panel):	IP65
Dual display:	Yes
Response time touch-panel (ms):	----
Contrast Ratio:	800:1
Brightness:	300 cd/m2
Viewing Angle:	85/85/85/85(L/R/U/D)

Backlight MTBF:	-----
Color Resolution:	-----
Surface hardness (display):	-----
Touch Life(contacts):	-----
Housing material:	metal
Mounting VESA:	-----
Folding Bracket (for office type working):	-----
Power Consumption:	-----
Others:	Color: Black
Anti-vibration:	----
Anti-shock:	----
RFID scanner (reader):	No
Barcode reader:	No

Product from the Archive - production finished

BiBOX-156PC2 (i3-4005U)



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.



Efficient cooling

Housing used in the panel with additional fanless cooling ensures the silent operation of the device



Quick start

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



Efficient

The dual-core Intel Core i3-4005U 1.7GHz improves the device's performance.





Bright Screen

The display with 300 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.



Capacitive screen

The capacitive screen allows precise handling and gentle on-screen movement.

Specifications and parameters

Performance	
Processor	Intel® Core™ i3-4005U (2x 1.70GHz)
Graphics card	Integrated HD Graphics
Operating system	Support for Windows 7/8/10, Linux, Ubuntu
RAM	4GB DDR3

Performance	
Drive	128GB SSD
Display	
Screen	15.6" (1920x1080)
Touch screen	10 Points Projected Capacitive Touch Screen
Brightness	300cd/m ²
Screen ratio	16:9
View angle	85/85/85/85(L/R/U/D)
Interfaces	
Communication	4G * WiFi Bluetooth 4.0*
Connectors	2x USB 3.0 2x USB 2.0 2x COM 2x LAN 1x VGA 1x HDMI DC 12V
Other	
Dimensions	388 x 245 x 38 mm
Weight	5 kg
Casing material	Metal

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



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

The industrial PC panel uses an efficient and energy-saving Intel Core i3-4005U. 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".

Display and touch

Amplified, metal industrial computer BiBOX-156PC2 has a water-resistant and scratch-proof 15.6" LED screen 1920x1080 resolution offers good image quality, and high brightness in the 300 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.

CAPACITIVE SCREEN

The capacitive screen consists of a glass coating that is covered with an

insulator. Touching the surface of the touch pad with your finger causes a disturbance in the flow of electric current. This display provides very good visibility under industrial conditions. The panel can be operated with one finger or conductive material (special glove). This type of screen provides support for multi-touch technology, which is a clear convenience during work. This is due to the fact that a large number of electrodes allows accurate detection of many points of touch. You do not have to use a stronger pressure for capacitive screens, because you only need to lightly brush the screen with your finger to make the device react.

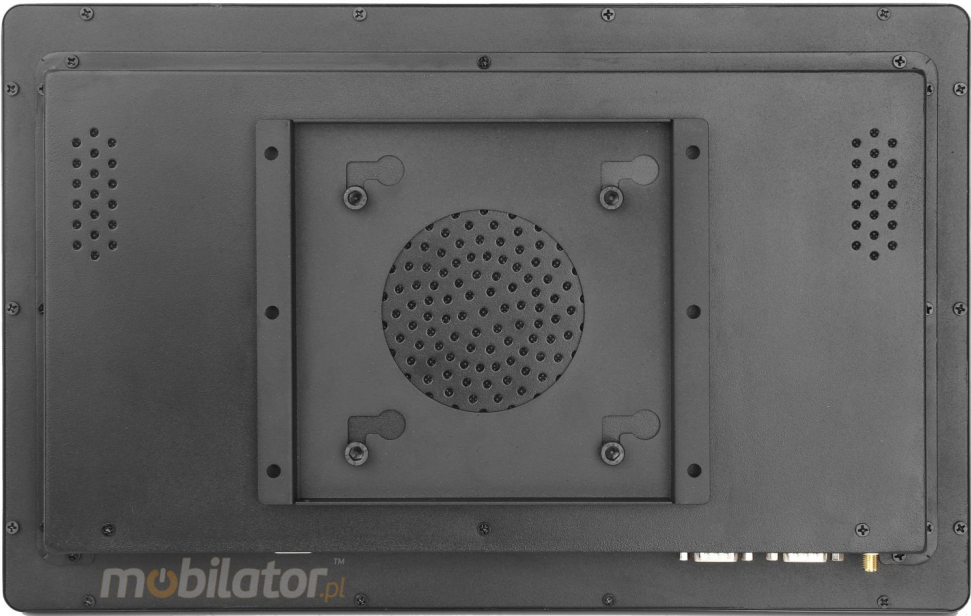


Resistance and protection

QUALITY OF MATERIALS

The panel PC has a good-quality metal casing. It is an important element of the cooling system. It is an important element of the cooling system thanks to specially designed cutouts facilitating air circulation inside the housing,

extremely important when using passive solutions. The overall design of the device is focused on simplicity and functionality, appreciated by professionals.



EXTREME TEMPERATURES

PanelPC BiBOX-156PC2 is designed for continuous operation both at very low and high temperatures in the range from -10 ° C to 60 ° C. If the device is turned off, it can handle temperatures ranging from -20 ° C to 70 ° C. In addition, the durable PanelPC is perfect for rooms with increased humidity, ensuring proper functioning even in the case of 95% relative air humidity.

Work temp.	-10°C do 60°C
Storage temp.	-20°C do 70°C
Humidity	0% - 95% Non-Condensing

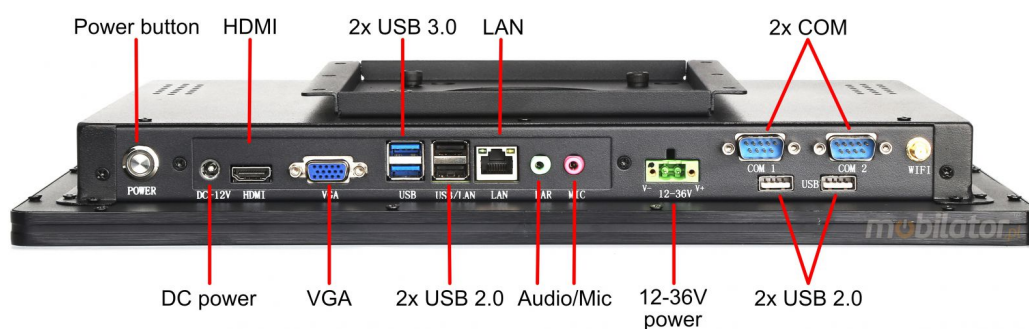
Communication and connectors

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 BiBOX-156PC2 has been equipped with standards - 802.11n, which allows transfer of files at a dizzying speed of up to 150 Mb/s.

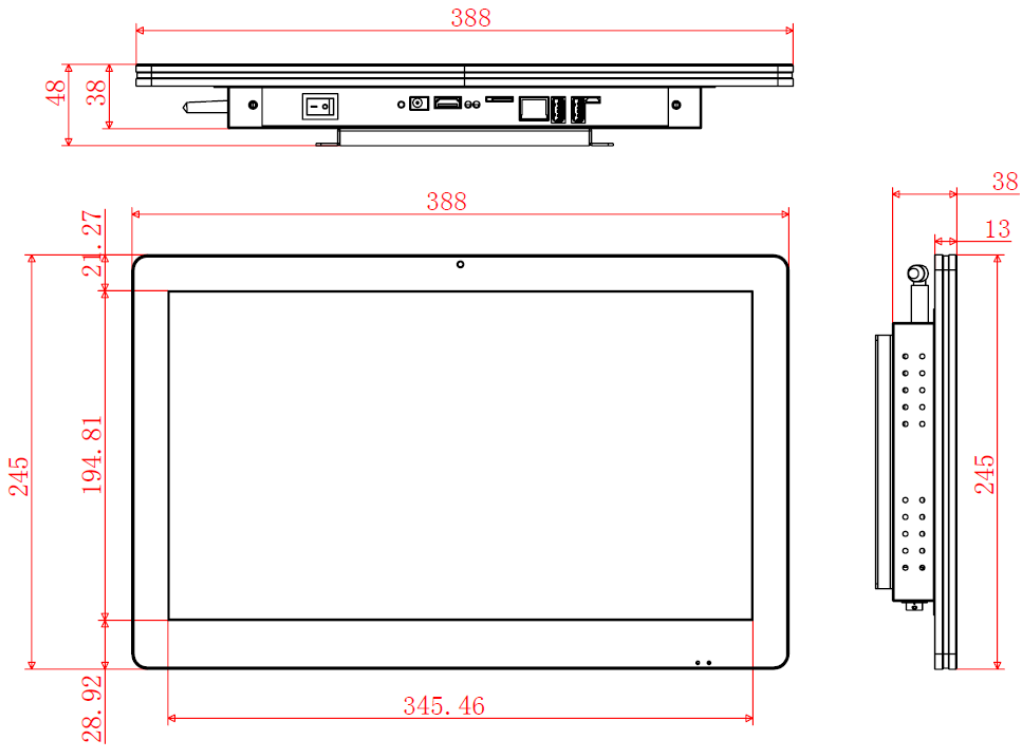
Standards	802.11a/b/g/n
Frequencies	2.4GHz

CONNECTORS AND INTERFACES



* Illustrative image, Connectors: 2x USB 3.0 | 2x USB 2.0 | 2x COM | 2x LAN
1x VGA | 1x HDMI | DC 12V

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 Panel PC BiBOX-156PC2 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.