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BiBOX-185PC2 (i5-4200U) v.4 - Rugged computer panel with IP65 (water and dust resistance) with 256 GB SSD disk, 4G technology

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Screen size:	18.5 inch
Resolution:	1366x768
Aspect ratio:	16:9
Touchscreen:	10 Points Projected Capacitive Touch Screen
Chipset:	Intel
CPU Support:	Intel Core i5-4200U 2x1.60GHz
Installed CPU:	Intel Core i5-4200U 2x1.60GHz
Memory Support:	DDR3
Installed Memory:	**8GB**
Graphic Card:	Integrated graphics HD Graphics
Audio:	Yes
Storage (HDD) Support:	SSD / HDD (optional)
Installed Storage (HDD):	**256GB SSD**
CD/DVD Drive:	No
LAN:	2xRealtek RTL 8111E Gigabit Ethernet
Wireless LAN card:	Yes

Bluetooth:	Option
3G:	-----
4G LTE:	**Yes**
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:	461.90x282.50x46 mm
Weight:	6kg
Expansion:	-----
Fanless:	No
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:	1000:1
Brightness:	250 cd/m2
Viewing Angle:	85/85/80/80(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

3 991,23 zł

net price: 3 244,90 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.

Efficient cooling

The housing with notches used in the panel ensures good air exchange inside the device

Quick start

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

Efficient

The two-core Intel Core i5-4200U 2x1.60 GHz improves the device's performance.

Bright Screen

The display with 250 cd/ m^2 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 i5-4200U 2x1.60GHz
Graphics card	Integrated HD Graphics
Operating system	Support for Windows 7/8/10, Linux, Ubuntu
RAM	8GB DDR3
Drive	256GB SSD

Display	
Screen	18.5" (1366x768)
Touch screen	10 Points Projected Capacitive Touch Screen
Brightness	250cd/m^2
Screen ratio	16:9
View angle	85/85/80/80(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	461.90 x 282.50 x 46 mm
Weight	6 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 i5-4200U. In its interior there are four 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-185PC2 has a water-resistant and scratch-proof 18.5" LED screen 1366x768 resolution offers good image quality, and high brightness in the 250 cd/m^2 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.

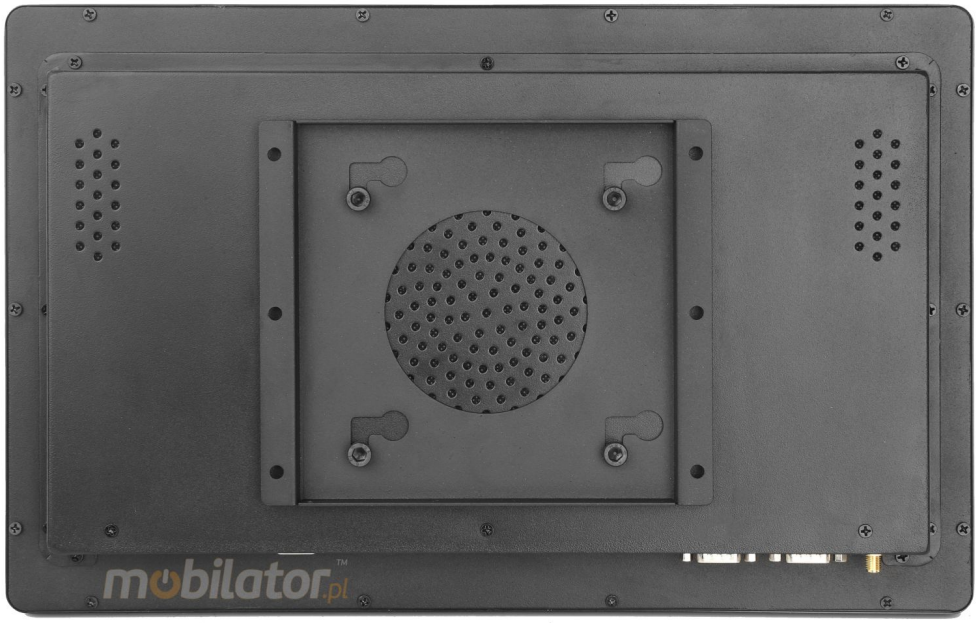
CAPACITIVE SCREEN

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 thanks to specially designed cutouts that facilitate air circulation inside the housing. The overall design of the device is focused on simplicity and functionality, appreciated among professionals, as an accessory the panel can be equipped with passive cooling.



EXTREME TEMPERATURES

PanelPC BiBOX-185PC2 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. It is also possible to purchase additional fanless cooling.

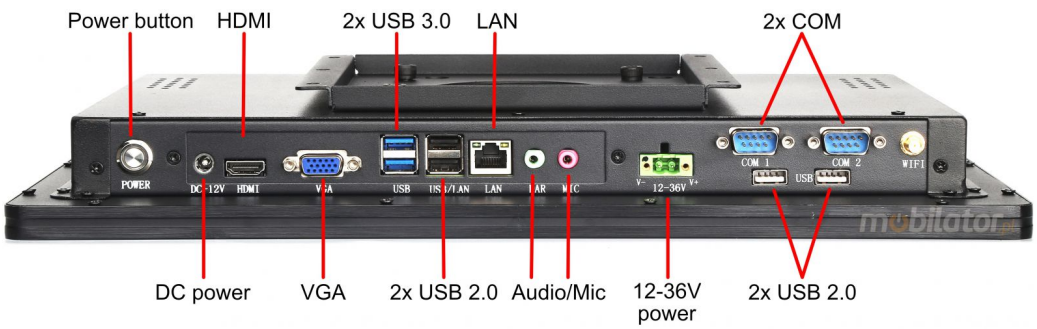
Work temp.	-10°C do 60°C
Storage temp.	-20°C do 70°C
Humidity	0% - 95% Non-Condensing

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-185PC2 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

BIBOX-185PC2 dimensions of a good panel computer

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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-185PC2 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.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8
4GB RAM			—	—	—	—		—
8GB RAM	—	—					—	
64GB SSD		—	—	—	—	—		—
128GB SSD	—			—	—	—	—	—
256GB SSD	—	—	—		—	—	—	—
512GB SSD	—	—	—	—		—	—	
500GB HDD	—	—	—	—	—		—	—
4G	—	—	—		—	—	—	—
Bluetooth 4.0	—	—	—	—				
Windows 10 PRO	—	—	—	—	—	—		