QBOX-15BO0R v.6 (IP69K) - Operator panel with IP69K (high resistance), SSD disk 256GB, 4G technology and WiFi

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Screen size:	15"
Resolution:	1024 x 768
Aspect ratio:	-----
Touchscreen:	Resistive
Chipset:	SOC
CPU Support:	Intel Core I3-6100 (2x 2.3 GHz)
Installed CPU:	Intel Core I3-6100 (2x 2.3 GHz)
Memory Support:	up to 8GB DDR4
Installed Memory:	4GB
Graphic Card:	Intel HD Graphics
Audio:	RTL ALC662
Storage (HDD) Support:	32GB/64GB/128GB/256GB SSD
Installed Storage (HDD):	256GB SSD

CD/DVD Drive:	-----
LAN:	Intel i221
Wireless LAN card:	Yes
Bluetooth:	No
3G:	Yes
4G LTE:	Yes
GPS:	No
TV Tuner:	-----
Watch Dog Timer:	-----
Ports - front panel:	-----
Ports - rear panel:	1x RS-2322x USB 2.01x USB 3.01x VGA1x LAN1x DC-in
Ports - left panel:	-----
Ports - right panel:	-----
Power:	12V DC-in
Supported OS:	Windows 7/8.1/10 | Linux
Installed OS:	-----
Dimensions:	360mm x 283mm x 50mm
Weight:	7kg
Expansion:	-----
Fanless:	Yes
Humidity:	10%~ 95%
Temp:	0°C ~ 60°C
Storage Temp:	-20°C ~ 80°C
IP Norm:	IP69K
IP Level (back panel):	IP69K
IP Level (front panel):	IP69K
Dual display:	Nie
Contrast Ratio:	1000:1

Brightness:	300 cd/m2
Viewing Angle:	85/85/85/85
Backlight MTBF:	LED
Color Resolution:	16.2 M
Surface hardness (display):	3H
Touch Life(contacts):	-----
Housing material:	Stainless steel
Mounting VESA:	Yes
Folding Bracket (for office type working):	-----
Power Consumption:	-----
Others:	Housing color: Silver
Anti-vibration:	-----
Anti-shock:	-----
RFID scanner (reader):	-----
Barcode reader:	-----

6 134,75 zł

net price: 4 987,60 zł

SPECIFICATION AND PARAMETRS

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.

Waterproof

IPX9K waterproof standard protects against flooding with a strong stream of water under pressure (80-100 bar and temperature + 80 ° C).

Dustproof

The dustproof IP6X standard on the front panel protects the panel against dust and access to hazardous parts.

Efficient

The dual-core Intel core i3 processor supported by 4GB of RAM improves the device's performance.

Bright Screen

The display with 300cd/ 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.

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 Core I3-6100 (2x 2.3 GHz)

Performance	
Graphics card	Intel HD Graphics 520
Operating system	Windows 7/8/10/CE | Linux
RAM	4GB DDR4
Drive	256GB SSD
Display	
Screen	15" (1024x768)
Touch screen	Resistive
Brightness	300cd/m²
Contrast	1000:1
View angle	85/85/85/85
Hardness	3H
Interfaces	
Communication	Wi-Fi | 4G
Connectors	RJ45 | 2x USB 2.0| 1x USB 3.0 | 1xRS232 | DC 12V 1xVGA
Memory card	No
SIM card	No
Other	
Protection	IP69K
Dimensions	360mm x 283mm x 50mm
Weight	7kg

* 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 Corer i3 6100 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 QBOX-15BO0R-15BO0R has a water-resistant and scratch-proof 15" LED screen 1024x768 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 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

PROTECTION STANDARD IP69K

IP norm (International Protection Rating) determines the degree of protection provided by the housing of an electrical device against such factors as: access to dangerous parts inside the housing, penetration of foreign solids and splashing or immersion. The first characteristic number means that the housing protects people against access to dangerous parts located inside the device, and at the same time provides protection against penetration of foreign solids. The second characteristic digit means that the housing provides protection against the effects of water penetration.

IP6X	Protection against access to dangerous parts with wire. Dustproof protection.
IPX9K	Protection against flooding with a strong stream of water under pressure (80-100 bar and temperature + 80 °C)

EXTREME TEMPERATURES

PanelPC QBOX-15BO0R is adapted for continuous operation in both very low and high temperatures in the range from 0 ° C to 60 ° C. If the device is switched off, it can already handle temperatures between -20 ° C and 80 ° 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.	0°C do 60°C
Storage temp.	-20°C do 80°C
Humidity	10% - 95%

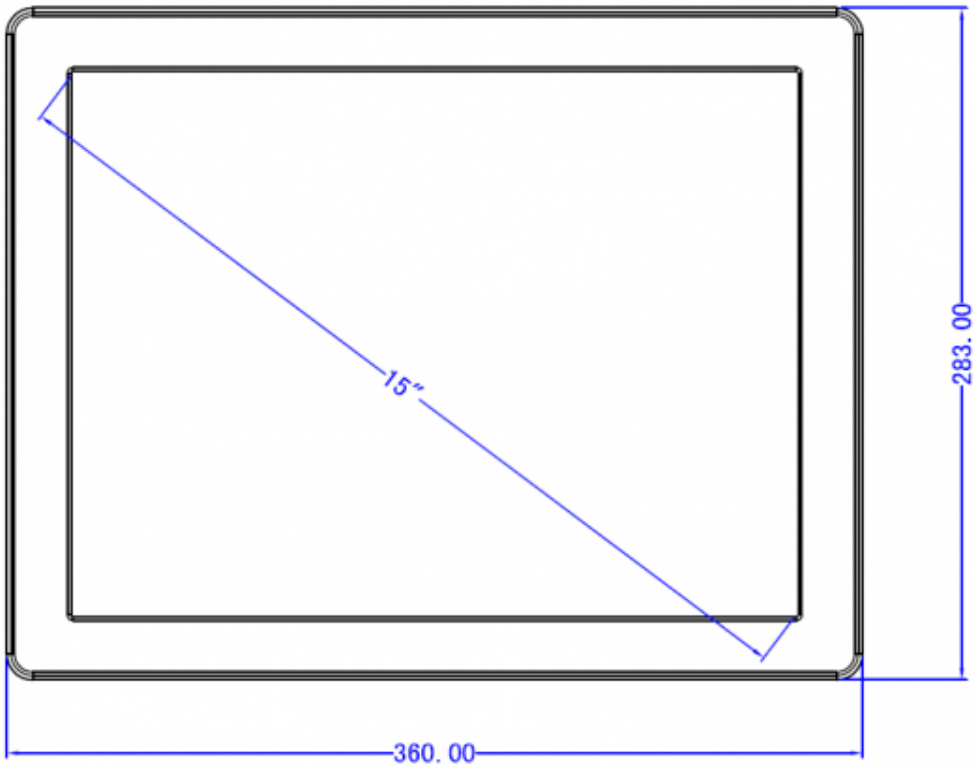
Komunikacja i złącza

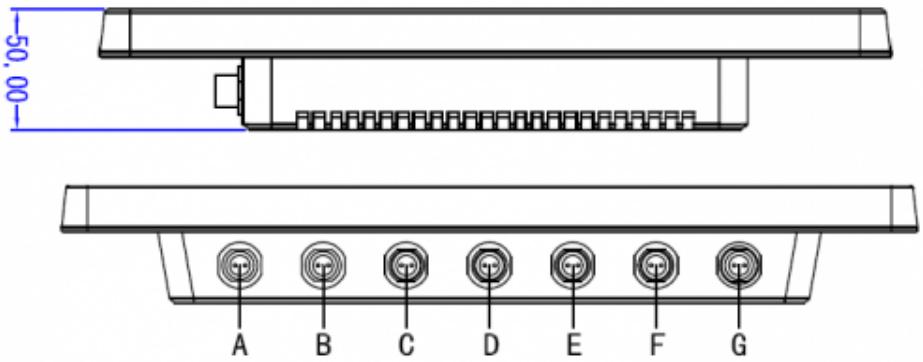
WIRELESS WI-FI NETWORK

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 QBOX-15BO0R 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

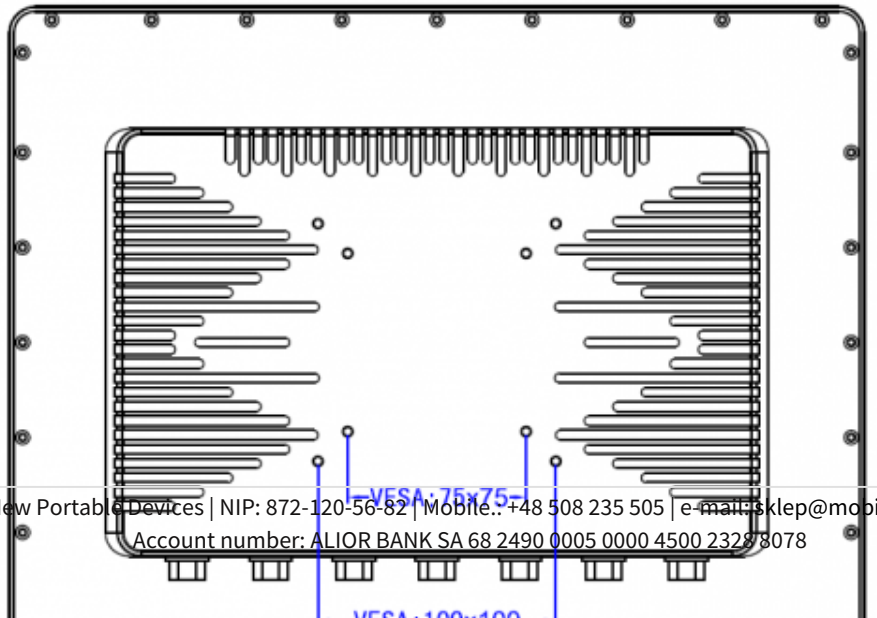
CONNECTORS AND INTERFACES





Interface Definition:

A:DC 12V-24V
B:USB (optional)
C:USB (optional)
D:COM (optional)
E:COM (optional)
F:LAN (optional)
G:Power Switch



Application

TRADE AND SERVICES

Waterproof and dustproof 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 QBOX-15BO0R 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
WiFi	—					
4G	—	—	—	—		
32GB SSD		—	—	—	—	—
64 GB SSD	—		—	—	—	—
128 GB SSD	—	—		—		—
256GB SSD	—	—	—		—	