



IBOX-301P J1900 v.1 - small reinforced fanless industrial pc - 2xLAN and 6xRS232

Category:	MiniPC Industry
Manufacturer:	Mobilator
Others:	Color Sliver-Blue
Chipset:	Intel Chipset
CPU Support:	Intel Celeron
Installed CPU:	Intel Celeron J1900 (4x 2.00 GHz) Cache 2MB
Memory Support:	-----
Installed Memory:	4GB (built-in)
Graphic Card:	Intel HD Graphics
Storage (HDD) Support:	SSD HDD
Installed Storage (HDD):	32GB SSD
CD/DVD Drive:	-----
LAN:	2x Intel 82583V 10/100/1000 Mb/s
Wireless LAN card:	Option (Intel 6205 Dual-Band 802.11 a/b/g/n)
Bluetooth:	-----

3G:	-----
TV Tuner:	-----
Watch Dog Timer:	-----
Front Panel (ports):	Power ON4x USB 2.0
Rear Panel (ports):	2x USB 3.02x LAN6x COM(RS232)1x VGA1x HDMI1x DC 9~36V
Power:	9~36V
Supported OS:	Windows: 7/8//10 Linux
Installed OS:	-----
Dimensions:	185mm x 175mm x 100mm
Weight:	1350g
Expansion:	-----
Fanless:	Yes
Humidity:	10% ~ 90%
Temp:	-10°C — 50°C
IP Norm:	-----
Storage temperature:	-20°C — 70°C

Product from the Archive - production finished

operation. Small and reliable MiniPC use heat-pipe technology and aluminum fins for passive cooling. The robust mini Industrial Computer IBOX 301P is a device designed for all industrial and non-continuous applications requiring continuous operation - 24 hours, 7 days a week.



Small dimensions

The compact housing means that the Mini PC will fit wherever you need it and is easy to carry.



Lightweight design

The computer's weight does not exceed 1.5 kg, so it can be conveniently carried in a bag or backpack.



Efficient components

The Intel Celeron J1900 quad-core CPU provides improved device performance.



Wireless network *

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



Quick start

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



Passive cooling

The use of passive cooling in the Mini PC ensures silent operation and slows dust deposition.

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

SPECIFICATION

IBOX 301P

Processor

Intel Celeron J1900 (4x 2.00GHz) Cache 2MB

IBOX 301P	
Operation system	Support: Windows 7/8/10 Linux
RAM	4GB DDR3 (built-in)
Drive	32GB SSD
Graphic card	Intel HD Graphics
Connectivity	WLAN: Intel 6205 Dual-Band 802.11 b/g/n * 2x LAN: Intel 82583V Gigabit Ethernet
Front panel	Power ON 4x USB 2.0
Rear panel	2x USB 3.0 2x LAN 6x COM(RS232) 1x VGA 1x HDMI 1x DC 9~36V
Available colors	Silver-Blue
Dimensions	185 x 175 x 100mm
Weight	1.35 kg

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



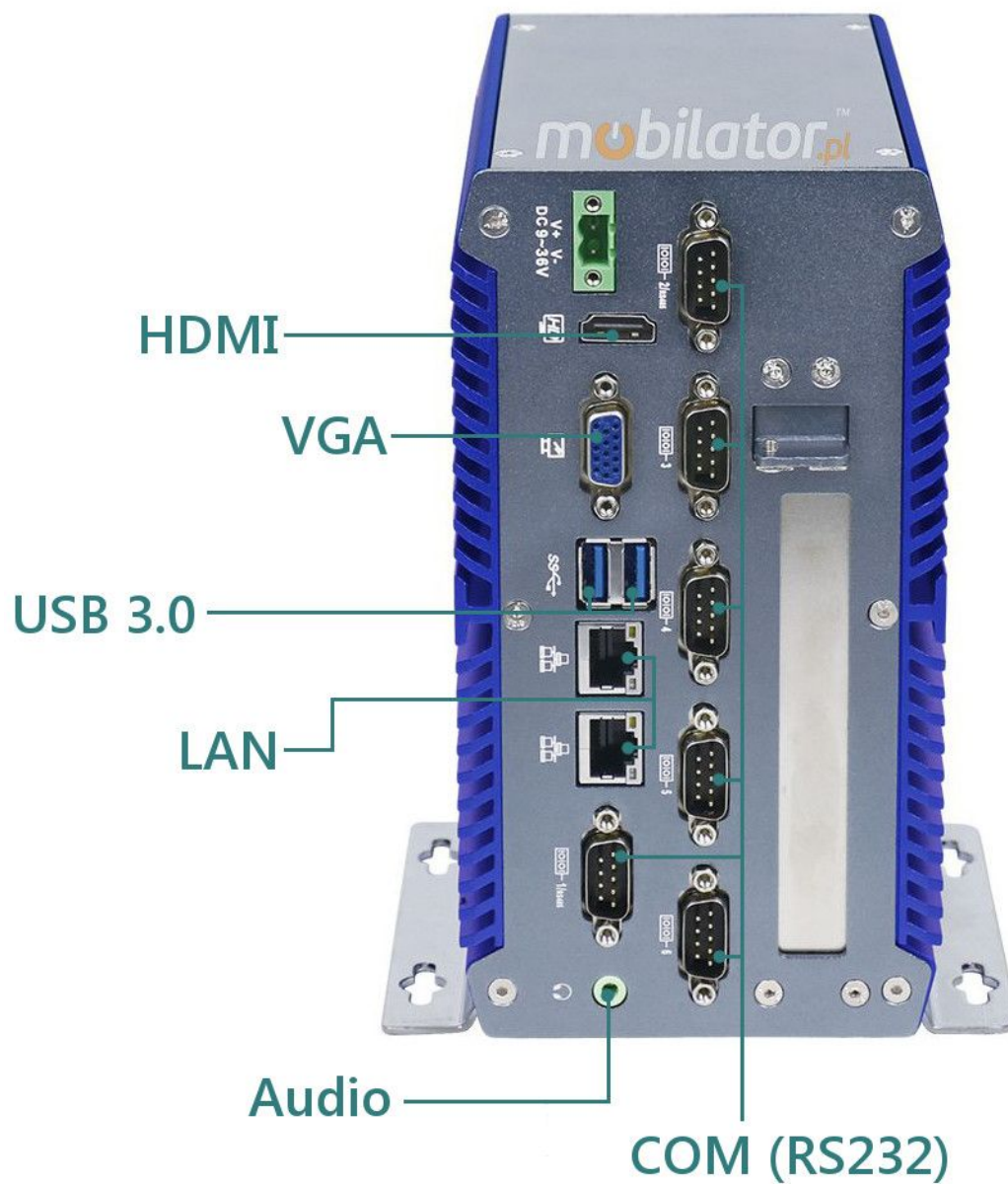
Detailed device specification is available in the "Technical data".

Efficient processor



The industrial mini-computer IBOX 301P uses an efficient and energy-saving Intel Celeron J1900 processor. Inside it there are four cooperating cores enabling more efficient processing of many tasks at the same time. The shared cache memory in which the multilevel hierarchy is used is dynamically allocated to each processor core depending on the load. This reduces the average access time to the main memory. The implemented Virtualization Technology (VT-x) allows one hardware platform to function as multiple “virtual” platforms. It offers improved manageability by limiting downtime and maintaining productivity by isolating computing activities into separate partitions.

Interfaces





Dimensions



Thanks to the small dimensions of the MiniPC, the IBOX 301P is versatile for use at home, in the office and in the industry, for example in the production hall. It's literally everywhere, and thanks to the VESA mount it can be mounted on the back of the monitor to optimize the job.

Dimensions	185 x 175 x 100mm
Weight	1350g

Passive cooling

The industrial MiniPC IBOX 301P uses a proven cooling system, based only on solid elements, mainly heat sinks. The system uses the phenomenon of metals passing thermal energy into the environment - there are no additional moving elements in the form of eg fans. This solution ensures noiseless

operation, lower failure rate and greater protection against dust and other dirt while reducing the amount of energy consumed.

RESISTANCE AND DURABILITY



Temperatures

IBOX 301P is designed for continuous operation in both very low and high temperatures ranging from -10 ° C to 50 ° C. If the device is switched off, it can already handle temperatures in the range of -20 ° C to 70 ° C.

Work temp.	-10°C do 50°C
Storage temp.	-20°C do 70°C
Humidity	10% do 90%

Mechanical damage

The passive cooling system used in the mini PC IBOX 301P combined with the SSD* disk makes this computer very resistant to various types of mechanical injuries. An additional advantage of industrial computers is a solid construction made of high quality aluminum and specially designed in such a way that in addition to high efficiency in heat dissipation, it can also resist any external damage.

CONNECTIVITY AND COMMUNICATION

Wireless network (Option)

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. Industrial mini-PC IBOX 301P has been equipped the standard of - 802.11n, which allows transfer of files at a dizzying speed of up to 300 Mb / s.

Wired LAN Network

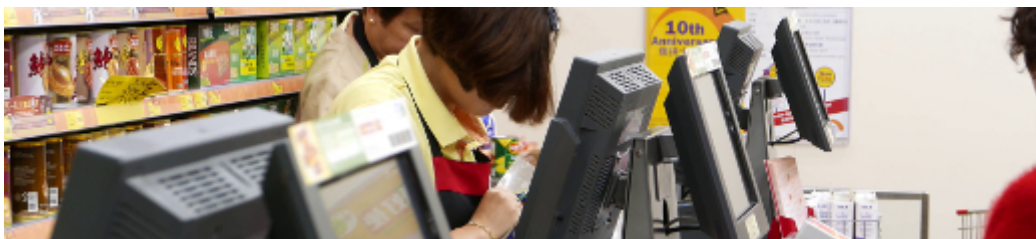
The MiniPC IBOX 301P has built-in Intel network adapter that can work in a fast Gigabit Ethernet network.



DEVICE APPLICATION

Trade and service

Mini PC is an ideal tool to support us in the implementation of many activities in the field of trade, small dimensions increase the possibility of its adaptation to activities such as issuing invoices or preparing documentation, which in turn allows us to convenient and optimal sales management. Wall bracket mounted to the housing provides many installation options, eg in stores, in factory halls or in a delivery truck.



Warehouse and logistics

Thanks high performance an industrial computer can be used to connect multiple devices in a warehouse and make their management much easier. Its rugged casing and the fanless cooling system are ideal for harsh environments in such rooms. The solid construction guarantees long-lasting work, even in environments with high dustiness and dirt.





Transport and motorization

A small industrial computer can be used in transport thanks to the ability to work on 9~36V power supply. Then the mini computer can be used in passenger cars, buses, trams, taxis, trains and even in airplanes. It allows you to inform the driver about the current state of the vehicle, transfer its current location to the management center, display information for passengers, etc. It performs well in vehicles where small dimensions are important.



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

AVAILABLE VERSIONS

The industrial mini-computer IBOX 301P is offered in several versions to suit 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
32GB SSD		—	—	—	—
64GB SSD	—		—	—	—
128GB SSD	—	—	—		—
500GB HDD	—	—		—	—
1TB HDD	—	—	—	—	
WiFi	—				



	v.1	v.2	v.3	v.4	v.5
32GB SSD		—	—	—	—
64GB SSD	—		—	—	—
128GB SSD	—	—	—		—
500GB HDD	—	—		—	—
1TB HDD	—	—	—	—	
WiFi	—				