



Computer Industry Fanless MiniPC MiniPC  
yBOX - 1U 1037U 6x LAN v.3

|                                 |   |
|---------------------------------|---|
| <b>Category:</b>                | MiniPC Industry                                 |
| <b>Manufacturer:</b>            | Mobilator                                       |
| <b>Others:</b>                  | Color Black                                     |
| <b>Chipset:</b>                 | Intel express chipset                           |
| <b>CPU Support:</b>             | Intel Celeron                                   |
| <b>Installed CPU:</b>           | Intel Celeron J1900 (4x 2.00GHz) 2MB SmartCache |
| <b>Memory Support:</b>          | DDR3L SO-DIMM (max. 8GB)                        |
| <b>Installed Memory:</b>        | 4 GB DDR3L                                      |
| <b>Graphic Card:</b>            | Intel HD Graphics                               |
| <b>Storage (HDD) Support:</b>   | SSD / HDDmSATA / SATA                           |
| <b>Installed Storage (HDD):</b> | 500 GB HDD                                      |
| <b>CD/DVD Drive:</b>            | -----   |
| <b>LAN:</b>                     | 6x Intel 82574L 10/100/1000M                    |
| <b>Wireless LAN card:</b>       | b/g/n   |
| <b>Bluetooth:</b>               | -----   |

|                             |                                  |
|-----------------------------|----------------------------------|
| <b>3G:</b>                  | -----                            |
| <b>TV Tuner:</b>            | -----                            |
| <b>Watch Dog Timer:</b>     | Yes                              |
| <b>Front Panel (ports):</b> | COM 2x USB 2.0 6x LAN            |
| <b>Rear Panel (ports):</b>  | VGA Power On/Off DC - IN         |
| <b>Power:</b>               | 12V5A                            |
| <b>Supported OS:</b>        | Microsoft Windows: 7/8/10, Linux |
| <b>Installed OS:</b>        | -----                            |
| <b>Dimensions:</b>          | 430mm x 280mm x 46mm             |
| <b>Weight:</b>              | 2.500g                           |
| <b>Expansion:</b>           | -----                            |
| <b>Fanless:</b>             | Yes                              |
| <b>Humidity:</b>            | 5% ~ 95%                         |
| <b>Temp:</b>                | 0°C – 60°C                       |
| <b>IP Norm:</b>             | -----                            |
| <b>Storage temperature:</b> | -20°C – 70°C                     |

**Product from the Archive - production finished**



## TECHNICAL SPECIFICATION

### RESISTANCE AND DURABILITY

### CONNECTIVITY AND COMMUNICATION

### DEVICE APPLICATION

### AVAILABLE VERSIONS

Small dimensions industrial computers excel in environments where dust, dirt and moisture predominate. They are ideal for applications requiring quiet operation. Small and reliable MiniPC use heat-pipe technology and aluminum fins for passive cooling. The robust mini Industrial Computer yBOX-1U 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 3.0 kg, so it can be conveniently carried in a bag or backpack.



#### Efficient components

The Intel Celeron 1037U dual - core CPU provides improved device



### Wireless network

performance.

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

## HDD

### Data Storage

The large disk capacity allows to store and archiving important user data.



### Passive cooling

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

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# SPECIFICATION

## Performance

|                  |                                  |
|------------------|----------------------------------|
| Processor        | Intel Celeron 1037U (2x 1.80GHz) |
| Graphics card    | Intel HD Graphics                |
| Operating system | Windows 7/8/10   Linux           |

| Performance      |                                       |
|------------------|---------------------------------------|
| RAM              | 4 GB                                  |
| Drive            | 500 GB HDD                            |
| Interfaces       |                                       |
| Connectivity     | Wi-Fi b/g/n<br>LAN - 6x Intel WG82583 |
| Front panel      | COM / 2x USB 2.0 / 6x LAN             |
| Rear panel       | VGA / Power On/Off / DC-IN            |
| Other            |                                       |
| Available colors | Black                                 |
| Dimensions       | 430mm x 280mm x 46mm                  |
| Weight           | 2.500 kg                              |



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

## EFFICIENT PROCESSOR

The industrial mini-computer yBOX-1U uses an efficient and energy-saving Intel Intel Celeron 1037U processor. Inside it there are two 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.

## INTEGRATED



COM 2x USB 6x LAN



VGA

DC-IN | On/Off

## DIMENSIONS



## PASSIVE COOLING

The industrial Mini PC 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 - additionally device have 2 other fans to perfect distribution air inside.

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# RESISTANCE

## TEMPERATURES

yBOX-1U is designed for continuous operation in both very low and high temperatures ranging from 0 ° C to 60 ° C. If the device is switched off, it can already handle temperatures in the range of -20 ° C to 70 ° C.



|               |              |
|---------------|--------------|
| Work temp.    | 0°C – 60°C   |
| Storage temp. | -20°C – 70°C |
| Humidity      | 5% – 95%     |

## MECHANICAL DAMAGE

The passive cooling system used in the MiniPC yBOX-1U make 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.

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## WIRELESS 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. Industrial mini-PC yBOX-1U has been equipped with 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 yBOX-1U has built-in a fast Intel network adapter that can work in a fast Gigabit Ethernet network.

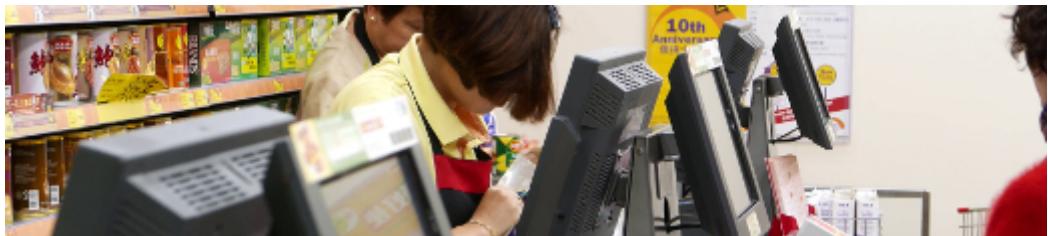


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# APPLICATIONS

## TRADE AND SERVICES

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. The rack holder can help you with mount device in your server cabinet.



## 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 12V 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 pictures of the device available in the ["Gallery"](#) tab.

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## VERSIONS



The industrial mini-computer yBOX-1U 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.0 | v.1 | v.2 | v.3 | v.4 | v.5 |
|------------|-----|-----|-----|-----|-----|-----|
| 4 GB RAM   | —   |     |     |     | —   | —   |
| 8 GB RAM   | —   | —   | —   | —   |     |     |
| 32 GB SSD  | —   |     | —   | —   | —   | —   |
| 64 GB SSD  | —   | —   |     | —   | —   | —   |
| 500 GB HDD | —   | —   | —   |     | —   | —   |
| 240 GB SSD | —   | —   | —   | —   |     | —   |
| 1 TB HDD   | —   | —   | —   | —   | —   |     |