



IBOX 1112N v.1 - Modern industrial MiniPC with an efficient Intel Celeron J6412 processor, 8GB RAM and 6x USB



|                                 |                                  |
|---------------------------------|----------------------------------|
| <b>Category:</b>                | MiniPC Industry                  |
| <b>Manufacturer:</b>            | Mobikator                        |
| <b>Others:</b>                  | Color black                      |
| <b>Chipset:</b>                 | Intel Chipset                    |
| <b>CPU Support:</b>             | Intel Celeron                    |
| <b>Installed CPU:</b>           | Intel Celeron J6412 (4x 2.60GHz) |
| <b>Memory Support:</b>          | DDR4                             |
| <b>Installed Memory:</b>        | <b>8GB</b>                       |
| <b>Graphic Card:</b>            | INTEL UHD GRAPHICS               |
| <b>Storage (HDD) Support:</b>   | SSD M.2   HDD                    |
| <b>Installed Storage (HDD):</b> | <b>128B SSD M.2</b>              |
| <b>CD/DVD Drive:</b>            | -----                            |
| <b>LAN:</b>                     | 3x2.5 GbE Intel i2256-V          |
| <b>Wireless LAN card:</b>       | Option                           |
| <b>Bluetooth:</b>               | No                               |

|                      |                                          |
|----------------------|------------------------------------------|
| 3G:                  | -----                                    |
| 4G LTE:              | -----                                    |
| TV Tuner:            | -----                                    |
| Watch Dog Timer:     | Yes                                      |
| Front Panel (ports): | Sim slot   3x USB 2.0   3x USB 3.0   COM |
| Rear Panel (ports):  | 3x LAN   2x DP   HDMI                    |
| Power:               | 12V                                      |
| Supported OS:        | Windows: 11   Linux                      |
| Installed OS:        | -----                                    |
| Dimensions:          | 150 x 126.5 x 45 mm                      |
| Weight:              | 840g                                     |
| Expansion:           | -----                                    |
| Fanless:             | Yes                                      |
| Humidity:            | 0% ~ 95%                                 |
| Temp:                | -10°C do 60°C                            |
| IP Norm:             | -----                                    |
| Storage temperature: | -10°C do 60°C                            |

Product from the Archive - production finished



**SSD**  
DRIVES



SPECIFICATION

RESISTANCE AND DURABILITY

CONNECTIVITY AND COMMUNICATION

APPLICATION



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 IBOX 1112N is a device designed for all industrial and non-continuous applications requiring continuous operation - 24 hours, 7 days a week.



### Compact Dimensions

The compact housing allows the Mini PC to fit wherever it's needed and makes it extremely easy to carry.



### Lightweight Design

The PC weighs less than 1.0 kg, so it can be comfortably carried in a bag or backpack.



### High-Performance Components

The quad-core Intel Celeron J6412 CPU provides enhanced performance for all your tasks.





### Wireless Connectivity (option)

The Mini PC can connect to nearby wireless networks thanks to its optional Wi-Fi module.



### Fast Boot-Up

Modern M.2 SSD storage increases application speeds and ensures silent operation.



### Passive Cooling

The use of passive cooling ensures silent operation and significantly slows down dust accumulation.

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## SPECIFICATION

| IBOX 1112N       |                                  |
|------------------|----------------------------------|
| Processor        | Intel Celeron J6412 (4x 2.60GHz) |
| Operation system | SupportWindows 11                |

| IBOX 1112N   |                                                                                                                                          |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|
| RAM          | 8GB DDR4<br>16GB DDR4* (option)                                                                                                          |
| Drive        | 128GB SSD M.2<br>256GB SSD M.2* (option)<br>512GB SSD M.2* (option)<br>1TB SSD M.2* (option)<br>512GB SSD* (option)<br>1TB SSD* (option) |
| Graphic card | Intel UHD Graphics                                                                                                                       |
| Connectivity | WLAN (WiFi6) : Intel-AX210(M.2)<br>* (option)<br>WLAN (WiFi5) : RTL8821AE-DUAL<br>* (option)<br>LAN : 3x Intel i2256-V 2.5G LAN          |
| Front panel  | Slot Sim   3x USB 2.0   3x USB 3.0   COM                                                                                                 |
| Rear panel   | 3x LAN   2x DP   HDMI                                                                                                                    |
| Dimentions   | 150 x 126.5 x 45mm                                                                                                                       |
| Weight       | 0,84 kg                                                                                                                                  |

\* Optional equipment, available only on specific version or on request.



Detailed device specification is available in the "Technical data"

Efficient processor



The industrial mini-computer IBOX 1112N uses an efficient and energy-saving Intel Celeron J6412 processor. Inside it there are four cooperating cores enabling

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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.

## Interfaces



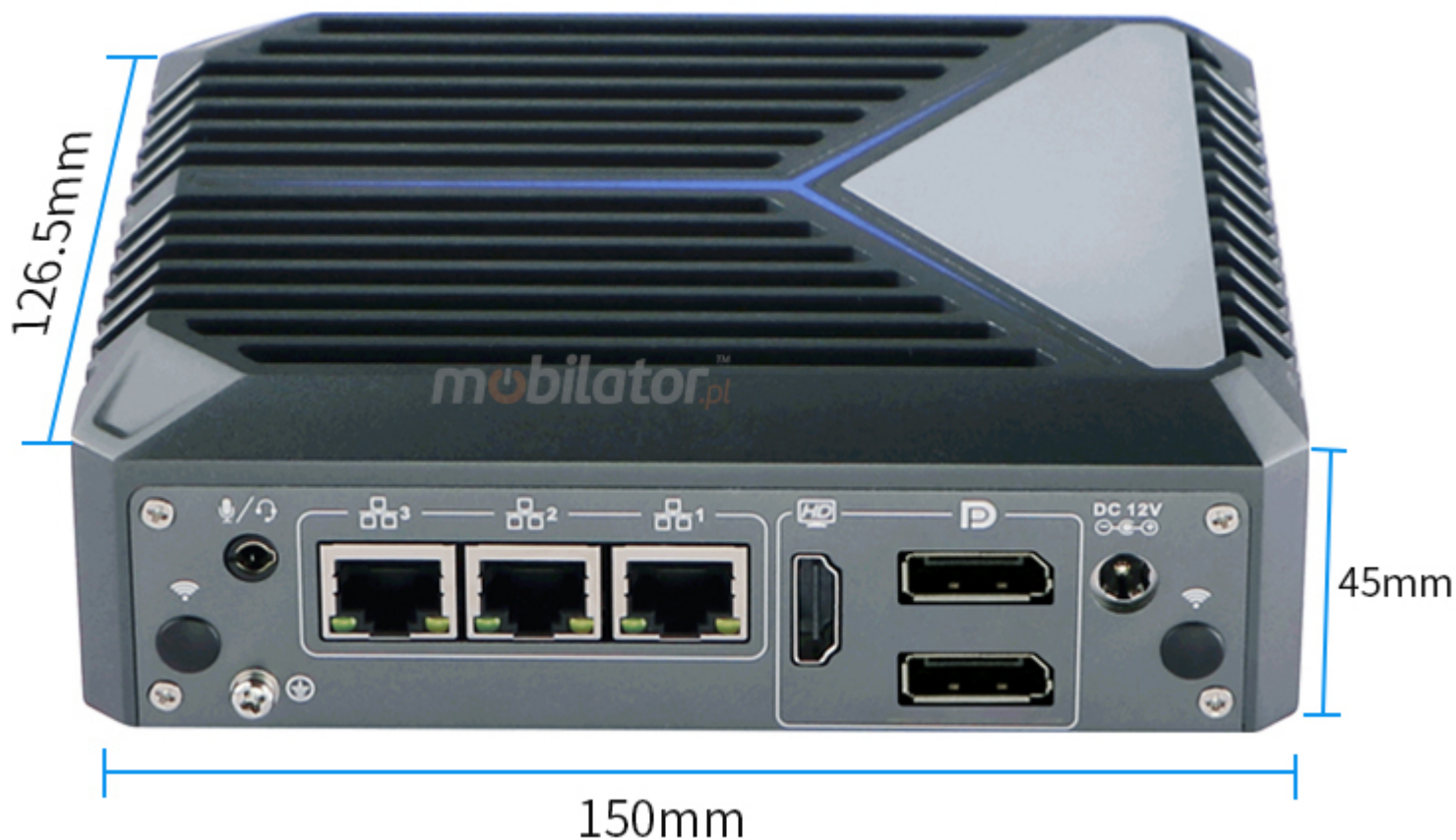


3\*i225-v 2.5G Lan

1\*HDMI (4K 60Hz)

2\*DP (4K 60Hz)

## Dimentions



|                   |                    |
|-------------------|--------------------|
| <b>Dimensions</b> | 150 x 126.5 x 45mm |
| <b>Net weight</b> | 840g               |

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## Passive cooling

The industrial Mini PC utilizes a proven cooling system based solely on solid components, primarily heat sinks. This system utilizes the principle of metals dissipating thermal energy into the environment—there are no additional moving parts, such as fans. This solution ensures silent operation, reduced

failure rates, and greater protection against dust and other contaminants, while simultaneously reducing energy consumption.

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## RESISTANCE AND DURABILITY

### Mechanical damage

The passive cooling system used in the MiniPC IBOX 1112N combined with the SSD M.2 drive 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.

### Temperatures



|                      |               |
|----------------------|---------------|
| <b>Working Temp.</b> | -10°C do 60°C |
| <b>Humidity</b>      | 0% do 95%     |

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## CONNECTIVITY AND COMMUNICATION

### Wireless network (WiFi6) **(option)**

The 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 1112N has been equipped the standard of - Intel-AX210(M.2) Module, which allows transfer of files at a dizzying speed of up to 800 Mb / s.

## Wired LAN Network

The MiniPC IBOX 1112N has built-in Intel network adapter that can work in a fast Realtek Ethernet network.



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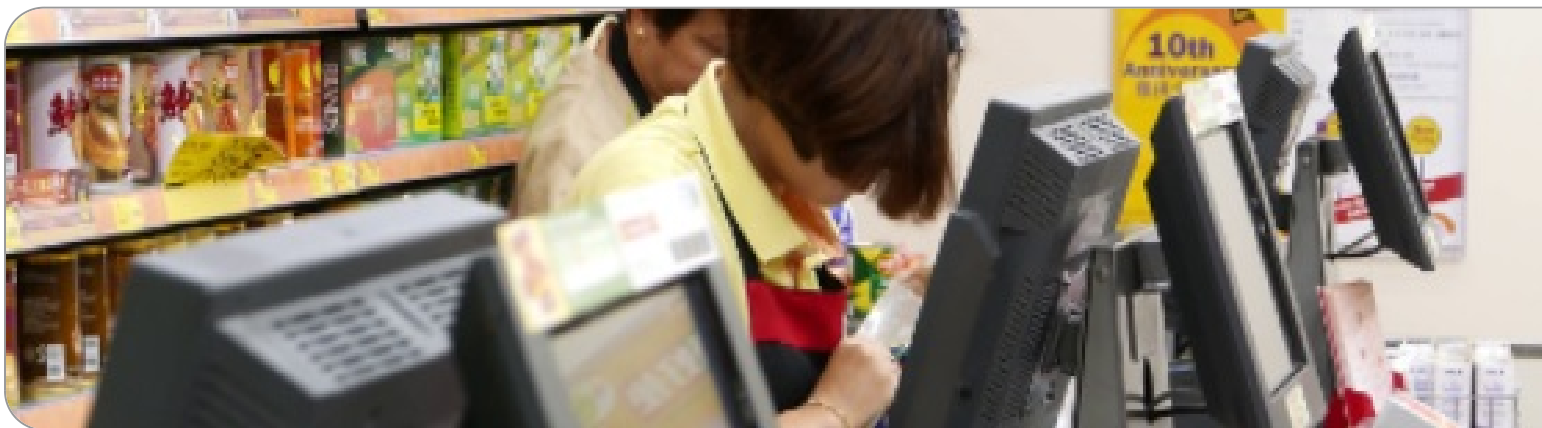
# DEVICE APPLICATION

## 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.

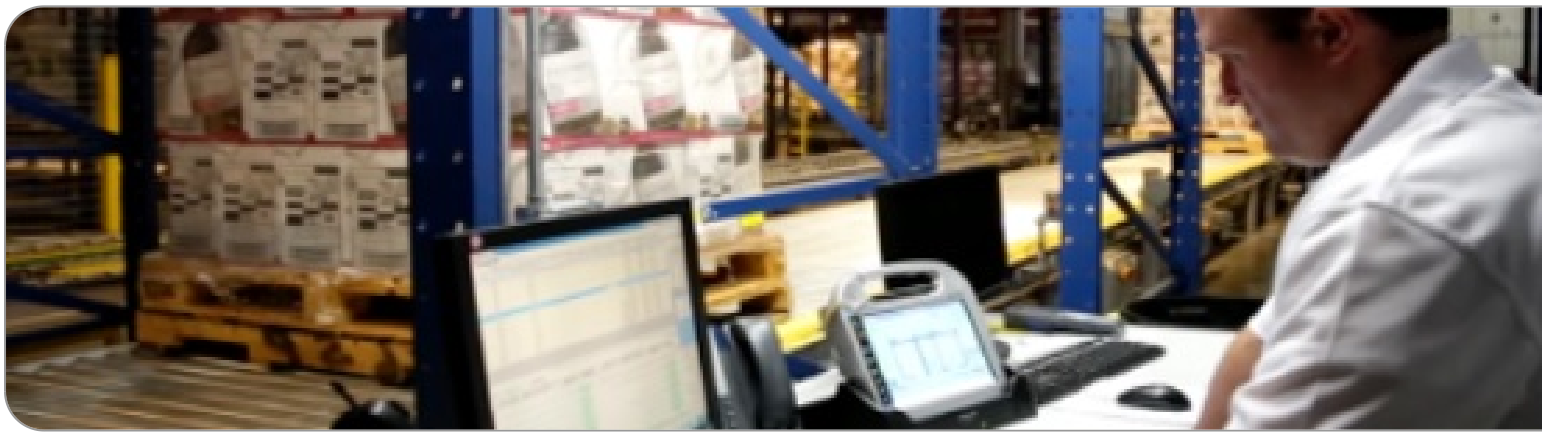
The VESA holder mounted to the housing provides many installation options, eg in stores (at the cash register, under the desktop, behind the LCD / LED monitor), in factory halls or in a delivery truck.

# VESA



## 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.



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## AVAILABLE VERSIONS

The industrial mini-computer IBOX 1112N 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.

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More photos in full resolution available in the „[Gallery](#)“.

|          | v.2 | v.3 | v.2 | v.1 | v.1 | v.1   |
|----------|-----|-----|-----|-----|-----|-------|
| 8GB RAM  | —   | —   | —   | —   | —   | —     |
| RFID UHF | —   | —   | —   | —   | —   | —     |
|          | v.1 | v.1 | v.1 | v.1 | v.1 | v.0.0 |
| 8GB RAM  | —   | —   | —   | —   | —   | —     |
| RFID UHF | —   | —   | —   | —   | —   | —     |