



IBOX 2131N v.2 - Modern industrial computer (Windows 11 support) with Intel Alder Lake-N N100 processor, WiFi5 and 6x USB

<b>Category:</b>	MiniPC Industry
<b>Manufacturer:</b>	Mobilator
<b>Supported OS:</b>	Windows: 11   Linux
<b>Installed OS:</b>	-----
<b>Chipset:</b>	Intel Chipset
<b>CPU Support:</b>	Intel Alder Lake-N
<b>Installed CPU:</b>	Intel Alder Lake-N N100 (4x 3.40GHz)
<b>Graphic Card:</b>	SSD M.2   HDD
<b>Memory Support:</b>	DDR4
<b>Installed Memory:</b>	<b>8GB</b>
<b>Storage (HDD) Support:</b>	Intel UHD Graphics
<b>Installed Storage (HDD):</b>	<b>256GB SSD M.2</b>
<b>IP Norm:</b>	-----
<b>Temp:</b>	0°C do 60°C
<b>Storage temperature:</b>	0°C do 60°C
<b>Humidity:</b>	5% ~ 95%
<b>Others:</b>	Color black
<b>LAN:</b>	2x2.5 GbE Intel i225-V

<b>Wireless LAN card:</b>	RTL8821AE-DUAL (WiFi5)
<b>3G:</b>	-----
<b>4G LTE:</b>	Option
<b>Bluetooth:</b>	No
<b>Rear Panel (ports):</b>	2x RJ-45 LAN   DC   SLOT SIM   2x USB 2.0   2x HDMI
<b>Front Panel (ports):</b>	2x RS232   4x USB 3.1
<b>Expansion:</b>	-----
<b>Power:</b>	12V
<b>Watch Dog Timer:</b>	Yes
<b>CD/DVD Drive:</b>	-----
<b>TV Tuner:</b>	-----
<b>Dimensions:</b>	150 x 126.5 x 45 mm
<b>Fanless:</b>	Yes
<b>Weight:</b>	840g

**1 660,50 zł**

net price: 1 350,00 zł



**SSD**  
DRIVES



## 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 IBOX 2131N 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 1.0 kg, so it can be conveniently carried in a bag or backpack.



### Efficient components

The Intel Alder Lake-N N100 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 M.2 drive will increase the speed of application programs and ensure quiet computer operation.



### Passive cooling

ensuring quiet operation.

## SPECIFICATION

### Mini-PC IBOX 2131N

Processor	Intel Alder Lake-N N100 (4x 3.40GHz)
Operation system	Support: Windows 11

## Mini-PC IBOX 2131N

RAM	8GB DDR4 16GB DDR4 <b>*(option)</b>
Drive	128 GB SSD M.2 <b>*(option)</b> 256 GB SSD M.2 512 GB SSD M.2 <b>*(option)</b> 1 TB SSD M.2 <b>*(option)</b> 2TB HDD <b>*(option)</b>
Graphic card	Intel UHD Graphics
Connectivity	WLAN (WiFi6): (Intel-AX210(M.2)) <b>*(option)</b> WLAN (WiFi5): (RTL8821AE-DUAL) LAN: 2x 2.5 GbE Intel i225-V 4G <b>*(option)</b>
Front panel	2x RS232   4x USB 3.1
Rear panel	2x RJ-45 LAN   DC   SLOT SIM   2x USB 2.0   2x HDMI
Available colors	Black
Dimensions	150 x 126.5 x 45 mm
Weight	0.84 kg



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

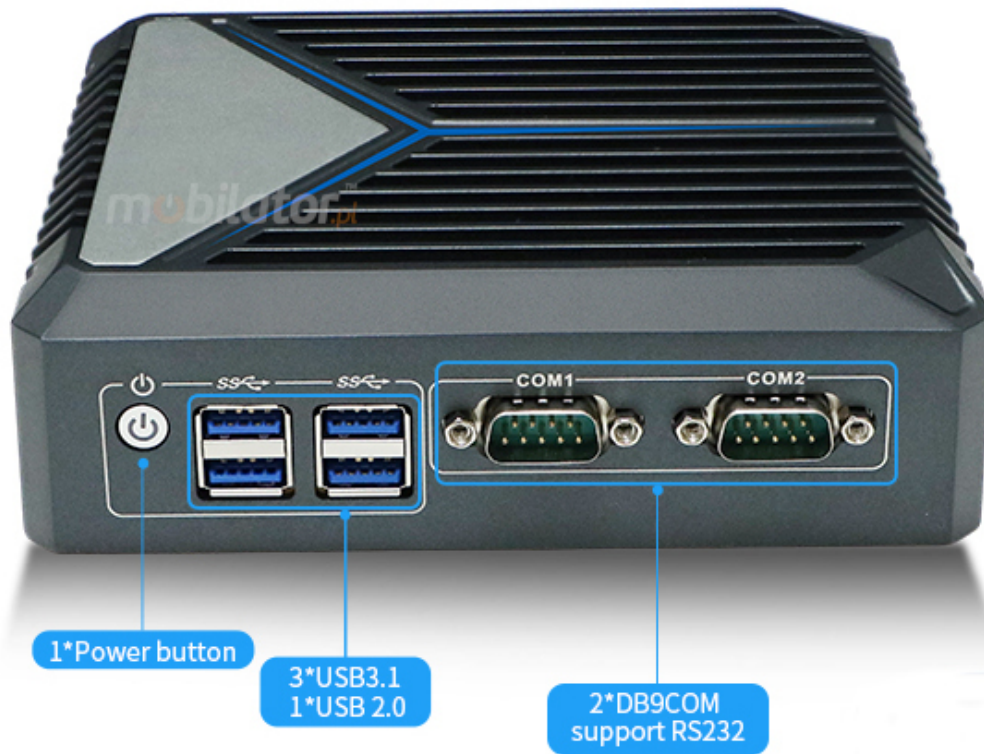
Efficient processor



The industrial mini-computer IBOX 2131N uses an efficient and energy-saving Intel Alder Lake-N N100 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.

## Interfaces





## Dimensions



Thanks to the small dimensions of the MiniPC, the 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.

<b>Dimensions</b>	150 x 126.5 x 45 mm
<b>Weight</b>	840g

Passive cooling

The industrial Mini PC uses a proven cooling system, based only on solid elements, mainly heat sink

## RESISTANCE AND DURABILITY

Temperatures



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 0°C to 60°C

<b>Work temp.</b>	0°C do 60°C
<b>Humidity</b>	0% to 95%

### Mechanical damage

The passive cooling system used in the MiniPC IBOX 2131N 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.

## CONNECTIVITY AND COMMUNICATION

### Wireless network (WiFi5)

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 2131N has been equipped the standard of - (RTL8821AE-DUAL) Module

, which allows transfer of files at a dizzying speed of up to 450 Mb / s.

## Wired LAN Network

The MiniPC IBOX 2131N has built-in Intel network adapter that can work in a fast Gigabit Ethernet network.



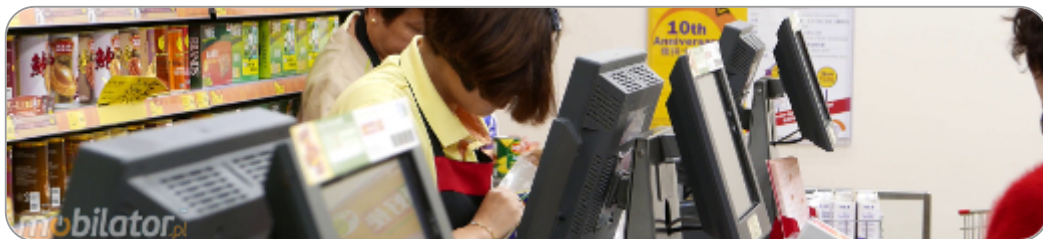
## DEVICE APPLICATION

## 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. 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.



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

## AVAILABLE VERSIONS

The industrial mini-computer IBOX 2131N 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.	v.6	v.7	v.8
8GB RAM	+	+	+	-	-	+	+	+
16GB RAM	-	-	-	+	+	-	-	-
128GB SSD M.2	+	-	-	-	-	-	-	-
256GB SSD M.2	-	+	-	-	-	-	-	+
512GB SSD M.2	-	-	+	+	-	+	+	-
1TB SSD m.2	-	-	-	-	+	-	-	-
2TB HDD	-	-	-	-	-	+	-	-
WiFi5	-	+	-	-	-	-	-	+
WiFi6	-	-	+	+	+	+	+	-

4G

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Windows 11 PRO licence

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