POLYWELL UNLOCK THE FUTURE

Linux

Polywell-H310AEL2 i3 v.2 - Ideal for factories and warehouses Industrial MiniPC with Intel Core i3, 240GB SSD, Linux

USB · SSD DRIVES · intel CORE i3

Category:	MiniPC Industry
Manufacturer:	Polywell
Others:	Color Black
Chipset:	Intel Chipset
CPU Support:	Intel Pentium | Celeron | i3 | i5 | i7
Installed CPU:	**Intel Core i3-9100T 4x3.10GHz**
Memory Support:	DDR4 (max.16GB)
Installed Memory:	**8GB DDR4**
Graphic Card:	Intel HD Graphics
Storage (HDD) Support:	SSD
Installed Storage (HDD):	**240GB SSD**
CD/DVD Drive:	-----
LAN:	Intel I211 Gigabit (10/100/1000 Mb/s)
Wireless LAN card:	2230
Bluetooth:	No
3G:	-----
TV Tuner:	-----

Watch Dog Timer:	No
Front Panel (ports):	2x USB 3.0
Rear Panel (ports):	1x HDMI | 1x DP | 2x USB 3.0 | 4x USB 2.0 | 2x LAN | 1x 3.5mm Audio Jack
Power:	12V
Supported OS:	Linux | Windows 10
Installed OS:	**Linux**
Dimensions:	177,8 x 182.8 x 35 mm
Weight:	1360g
Expansion:	-----
Fanless:	Yes
Humidity:	8% ~ 90%
Temp:	-5°C do 55°C
IP Norm:	-----
Storage temperature:	-20°C do 70°C

2 598,62 zł
net price: 2 112,70 zł

TECHNICAL SPECIFICATION

RESISTANCE AND DURABILITY

CONNECTIVITY AND COMMUNICTION

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 Polywell-H310AEL2 i3 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 1.36 kg, so it can be conveniently carried in a bag or backpack.

Efficent components

The Intel Core i3-9100T 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.

SSD

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

| Polywell-H310AEL2 i3	
Processor	Intel Core i3-9100T 4x3.10GHz
Operation system	Linux
RAM	8GB DDR4
Drive	240GB SSD
Graphic card	Intel UHD 630 Graphics, 4K Resolution, HDR 10Bit color

Polywell-H310AEL2 i3

Connectivity	WLAN: 1x M.2 2230 socket (Taken by WiFi+BT Module) LAN: 2 x Intel I211 Gigabit (10/100/1000 Mb/s)
Front panel	2x USB 3.0
Rear panel	1x HDMI | 1x DP | 2x USB 3.0 | 4x USB 2.0 | 2x LAN 1x 3.5mm Audio Jack
Audio	Realtek ALC662 6-channel (5.1)
Available colors	Black
Dimensions	177,8 x 182.8 x 35 mm
Weight	1.36 kg

ⓘ Detailed device specification is available in the "Technical data".
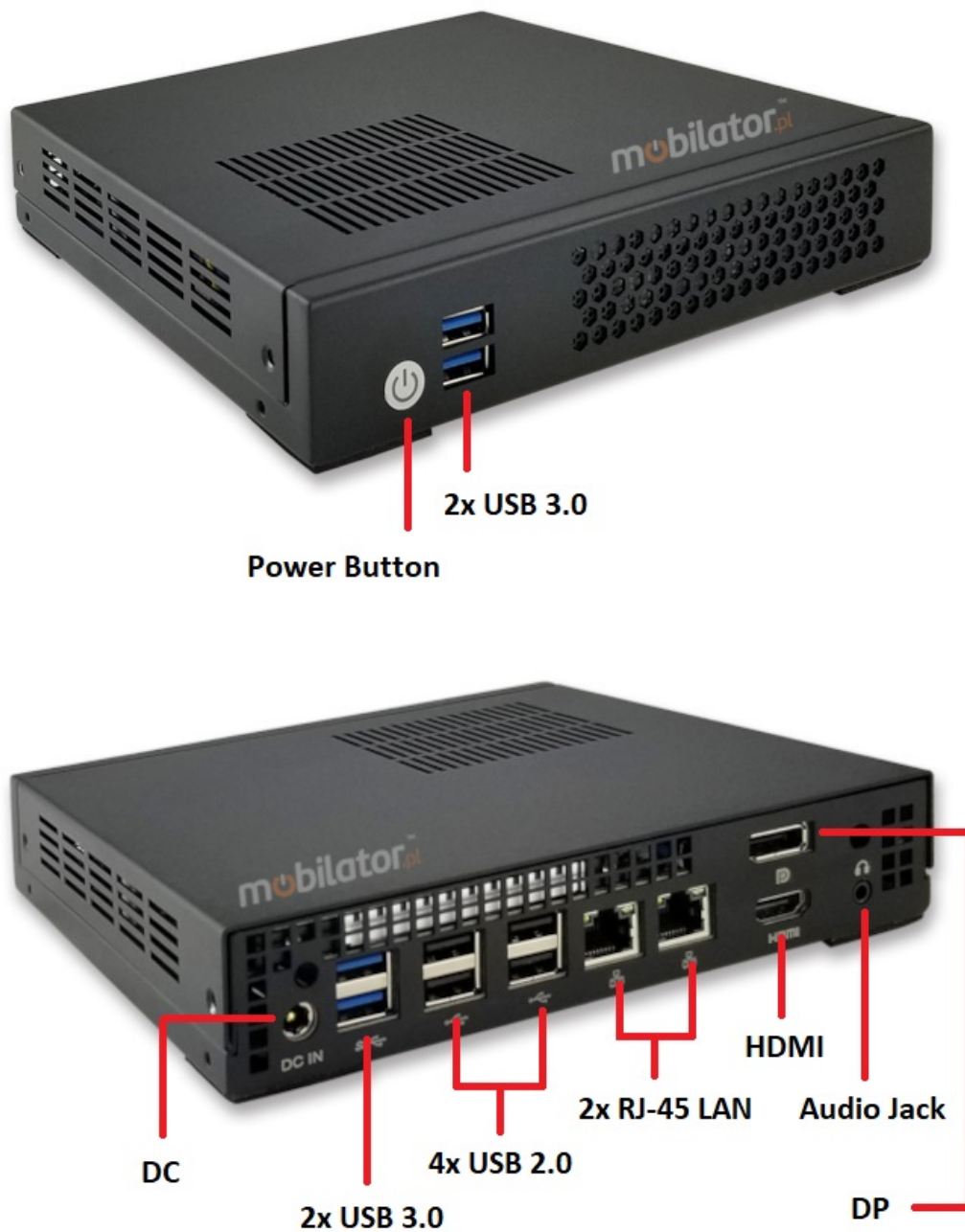
Efficient processor

The industrial mini-computer Polywell-H310AEL2 i3 uses an efficient and energy-saving Intel Core i3-9100T 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

2x USB 3.0

Power Button

DC

2x USB 3.0

4x USB 2.0

2x RJ-45 LAN

HDMI

Audio Jack

DP

Illustrative images, Connectors: 2x USB 3.0 | 1xPower | 2xUSB 3.0 | 4xUSB 2.0 | 2x RJ-45 LAN | 1x HDMI | 1x DP | 1x Audio jack | DC 12V

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.

Dimensions	177,8 x 182.8 x 35 mm
Weight	1360g

Passive coolong

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 - 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.

Temperatures

Polywell-H310AEL2 i3 is designed for continuous operation in both very low and high temperatures ranging from -5°C to 55°C. If the device is switched off, it can already handle temperatures in the range of -20°C to 70°C.

Work temp.	-5°C to 55°C
Storage temp.	-20°C to 70°C
Work Humidity	5% to 95%
Storage Humidity	5% to 95%

Mechanical damage

The passive cooling system used in the MiniPC Polywell-H310AEL2 i3 combined with the non-disk SSD 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

Wired LAN Network

The MiniPC Polywell-H310AEL2 i3 has built-in 2x Intel I211 network adapter that can work in a fast Gigabit Ethernet network.
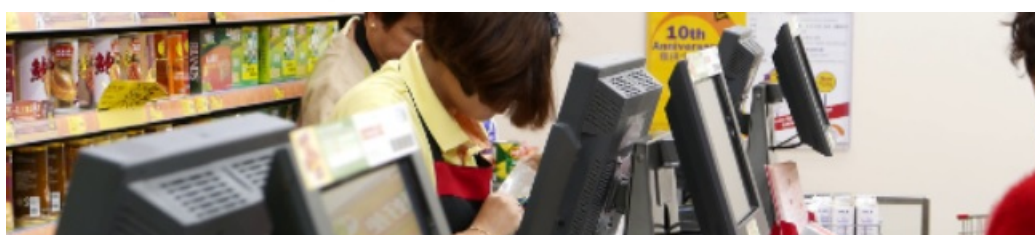
Trade and service
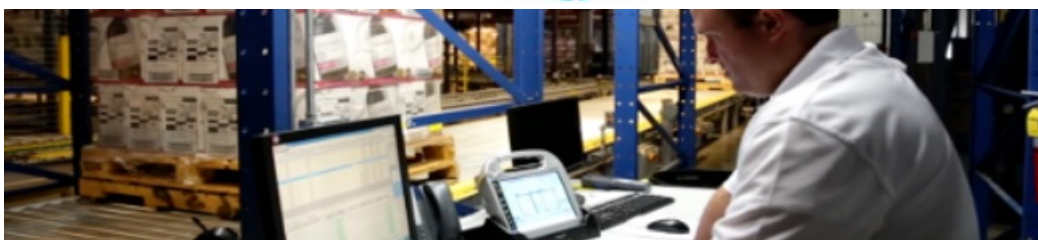
Mini PC is an ideal tool to support us in the implementation of many activities in the field of trade, small dimensions increase the possibility of its adaptation to activities such as issuing invoices or preparing documentation, which in turn allows us to convenient and optimal sales management. The 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.

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 Polywell-H310AEL2 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.

	v.1	v.2
4GB DDR4 RAM		—
8GB DDR4 RAM	—	
120GB SSD		—
240GB SSD	—	