



# Linu



Polywell-HM170L4 i3 v.1 - Industrial miniPC computer in a durable metal housing - with four LAN ports, i3 processor, HDMI, DP and VGA



<b>Category:</b>	MiniPC Industry
<b>Manufacturer:</b>	Polywell
<b>Others:</b>	Color Black
<b>Chipset:</b>	Intel Chipset
<b>CPU Support:</b>	Intel Celeron
<b>Installed CPU:</b>	<b>Intel Pentium Silver J5040 4x2.00GHz</b>
<b>Memory Support:</b>	DDR4
<b>Installed Memory:</b>	<b>4GB DDR4 RAM</b>
<b>Graphic Card:</b>	Intel UHD 600 Graphics
<b>Storage (HDD) Support:</b>	eMMC   SSD
<b>Installed Storage (HDD):</b>	<b>64GB eMMC</b>
<b>CD/DVD Drive:</b>	-----
<b>LAN:</b>	1x Realtek® RTL8111H Gigabit (10/100/1000 Mb/s) LAN 1x Intel® I211 Gigabit (10/100/1000 Mb/s) LAN
<b>Wireless LAN card:</b>	-----

<b>Bluetooth:</b>	No
<b>3G:</b>	-----
<b>TV Tuner:</b>	-----
<b>Watch Dog Timer:</b>	No
<b>Front Panel (ports):</b>	1x USB 2.0
<b>Rear Panel (ports):</b>	1x HDMI 2.0   1x DP 1.2   2x USB 3.0   2x LAN   2x 3.5mm Audio jack
<b>Power:</b>	12V
<b>Supported OS:</b>	Linux   Windows 10
<b>Installed OS:</b>	-----
<b>Dimensions:</b>	177,8 x 182.8 x 35 mm
<b>Weight:</b>	1360g
<b>Expansion:</b>	-----
<b>Fanless:</b>	Yes
<b>Humidity:</b>	8% ~ 90%
<b>Temp:</b>	0°C do 55°C
<b>IP Norm:</b>	-----
<b>Storage temperature:</b>	-20°C do 70°C

**617,40 €**

net price: 501,95 €

i5

Polywell HM170L4 i3 v.1 - industrial mniniPC i3

## 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 Polywell HM170L4 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.



### Efficient components

The Polywell HM170L4 intel core i3 processor consists of two cores, which ensure 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

### Polywell HM170L4 i3

Processor	Intel Core i3-6100H 2x2.70GHz
Operation system	Linux
RAM	8GB DDR4 RAM
Drive	120GB SSD
Graphic card	HD 530 Graphics, 4K Resolution
Connectivity	4 x RJ45 Realtek Gigabit (10/100/1000 Mb/s) LAN
Rear panel	1 x HDMI   1 x DP   1 x VGA   2 x USB 3.0 ; 2 x USB 2.0   4 x LAN   1 x 3.5mm Audio jack
Audio	Realtek® ALC661 6-channel (5.1)
Available colors	Black
Dimensions	178 x 183 x 36 mm
Weight	1.36 kg



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

### Efficient processor

Polywell HM170L4 i3 v.1 is a small reliable and fast miniPC with a powerful processor

The industrial mini-computer Polywell HM170L4 i3 uses an efficient and energy-saving Intel Core i3 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.

## Interfaces

 Polywell HM170L4 industrial mini computer

 Connectors rear panel of small reliable Polywell-HM170L4 VGA LAN USB

**\*Illustrative images.** Connectors: 1 x HDMI | 1 x DP | 1 x VGA | 2 x USB 3.0 | 2 x USB 2.0 | 4 x LAN | 1 x 3.5mm audio jack | DC 12V

## Dimensions

 Polywell HM170L4 Intel core efficient, fast and reliable miniPC with small 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

178 x 183 x 36 mm

### Weight

1360 g

## 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 - 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

Polywell HM170L4 resistant to extreme temperatures, small, reliable

### Temperatures

Polywell

HM170L4

i3

is designed for continuous operation in both very low and high temperatures ranging from 0°C to 55°C. If the device is switched off, it can already handle temperatures in the range of -20°C to 70°C.

<b>Work temp.</b>	0°C to 55°C
<b>Storage temp.</b>	-20°C to 70°C
<b>Work Humidity</b>	5% to 95%
<b>Storage Humidity</b>	5% to 95%

### Mechanical damage

The passive cooling system used in the MiniPC Polywell HM170L4 i3 is combined with the 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

MiniPC                    Polywell                    HM170L4                    i5                    BARBONE  
has four built-in network cards that work in a fast Gigabit Ethernet network:  
Realtek Gigabit (10/100/1000 Mb/s) LAN.

Polywell HM170L4 - efficient miniPC with a good network card

## 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.

Polywell Polywell HM170L4i 3 - industrial miniPC with vesa handle

Polywell HM170L4i3 - powerful miniPC - ideal for various industries

## 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.

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**Polywell HM170L4 i3 - miniPC for warehouse, fanless cooling system**  
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## 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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**Polywell HM170L4 i3 - miniPC ideal for use in transporting: trucks, taxis**  
Image not found or type unknown



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

## AVAILABLE VERSIONS

The industrial mini-computer Polywell HM170L4 i3

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.

	<b>v.1</b>	<b>v.2</b>	<b>v.3</b>	<b>v.4</b>	<b>v.5</b>
i3		—	—	—	—
i5	—			—	—
i7	—	—	—		
8 GB RAM		—		—	—
16 GB RAM	—	—	—	—	
120 GB SSD		—	—	—	—
240 GB SSD	—	—		—	
Linux		—		—	