



Polywell-V4000-4HDMI v.3 - Rugged mini PC for industrial use with 240GB SSD, AMD Ryzen processor, 4x HDMI



Category:	MiniPC Industry
Manufacturer:	Polywell
Supported OS:	Windows: 10 IoT
Installed OS:	-----
Chipset:	AMD Chipset
CPU Support:	AMD Ryzen 5
Installed CPU:	AMD Ryzen 5 3500u 2.1/3.7GHz 4C/8Core 15W
Graphic Card:	AMD Radeon™ Vega FGX Graphics
Memory Support:	DDR4 (max.8GB)
Installed Memory:	8GB DDR4
Storage (HDD) Support:	SSD
Installed Storage (HDD):	240GB SSD
IP Norm:	-----
Temp:	0°C do 55°C
Storage temperature:	-20°C do 70°C
Humidity:	8% ~ 90%
Others:	Color Black
LAN:	Realtek® RTL8111H Gigabit (10/100/1000 Mb/s) LAN

Wireless LAN card:	No
3G:	-----
Bluetooth:	No
Rear Panel (ports):	4xHDMI 2.0 4K 60Hz 1xLAN 1xDC
Front Panel (ports):	2xUSB 2.0 2x3.5mm jack 1xRS232
Expansion:	-----
Power:	19V
Watch Dog Timer:	Yes
CD/DVD Drive:	-----
TV Tuner:	-----
Dimensions:	189mm x 147mm x 25mm
Fanless:	Yes
Weight:	900g

715,77 €
net price: 581,93 €



TECHNICAL SPECIFICATION

RESISTANCE AND DURABILITY

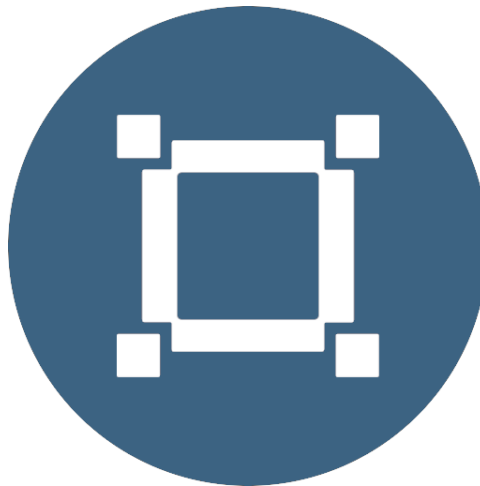
CONNECTIVITY AND COMMUNICATION

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-V4000-4HDMI

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 0.9 kg, so it can be conveniently carried in a bag or backpack.



Efficient components

The AMD Ryzen™ 5 3500u octa-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 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-V4000-4HDMI

Processor	AMD Ryzen™ 5 3500u
Operation system	Support: Windows 10 IoT
RAM	DDR4: 8GB
Drive	SSD: 240 GB SSD
Graphic card	AMD Radeon™ Vega FGX Graphics, 4 HDMI 2.0
Connectivity	1xRealtek® RTL8111H Gigabit (10/100/1000 Mb/s) LAN
Front panel	2xUSB 2.0 2x3.5mm jack 1xRS232
Rear panel	4xHDMI 2.0 4K 60Hz 1xLAN 1xDC
Available colors	Black

Polywell-V4000-4HDMI

Dimensions	189 x 147 x 25mm
Weight	0.90 kg



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

Efficient processor



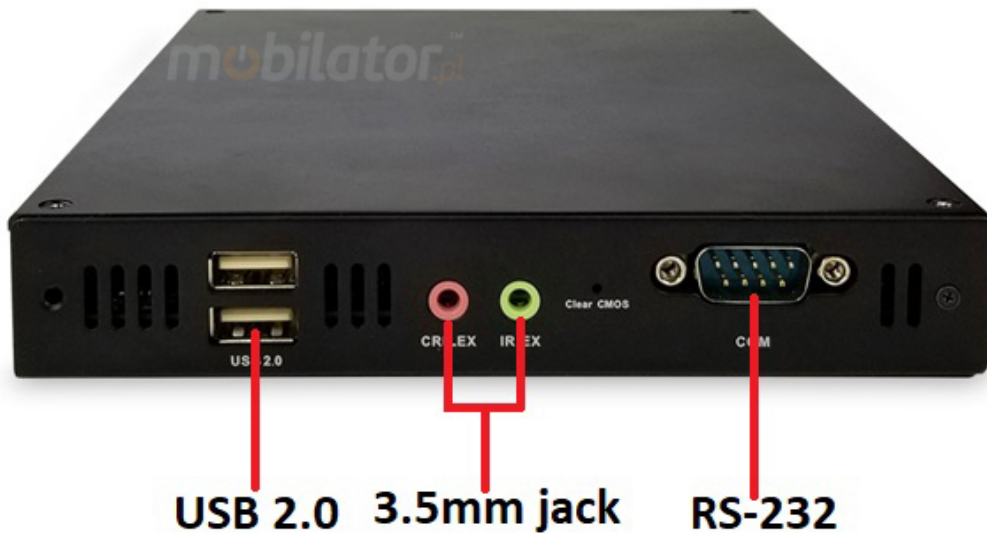
The industrial mini-computer

Polywell-V4000-4HDMI

uses an efficient and energy-saving AMD Ryzen™ 5 3500u

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.

Dimensions	189 x 147 x 25mm
Weight	900g

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



Temperatures

Polywell-V4000-4HDMI

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.

Work temp.	0°C do 55°C
Storage temp.	-20°C do 70°C
Work Humidity	8% do 90%
Storage Humidity	5% do 95%

Mechanical damage

The passive cooling system used in the MiniPC Polywell-V4000-4HDMI 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

Wireless network (Option)

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 Polywell-V4000-4HDMI

has been equipped the standard of - MiniPCIe half size WiFi+BT Socket , which allows transfer of files at a dizzying speed of up to 1200 Mb / s.

Wired LAN Network

The MiniPC Polywell-V4000-4HDMI has built-in Realtek® RTL8111H Gigabit (10/100/1000 Mb/s) network adapter that can work in a fast Gigabit Ethernet network.



DEVICE APPLICATION

Trade and service

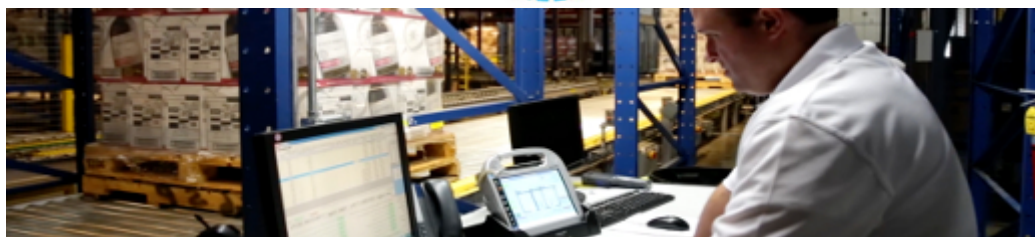
Mini PC is an ideal tool to support us in the implementation of many activities in the field of trade, small dimensions increase the possibility of its adaptation to activities such as issuing invoices or preparing documentation, which in turn allows us to convenient and optimal sales management. The 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 19V 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-V4000-4HDMI 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	v.3
Windows 10 IoT	—	+	—
4GB DDR4 RAM	+	+	—
8GB DDR4 RAM	—	—	+
120GB SSD	+	+	—
240GB SSD	—	—	+