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Polywell-Nano-U8FL2C6 i7 BAREBONE - Modern industrial miniPC with metal housing, Intel Core i7 processor and 2xLAN, 10xUSB ports

Category:	MiniPC Industry
Manufacturer:	Polywell
Supported OS:	Windows: 10/11 | Linux
Installed OS:	Linux
Chipset:	Intel Chipset
CPU Support:	Intel Core i7
Installed CPU:	Intel Core i7-8565U 4x1.80GHz
Graphic Card:	Intel HD Graphics
Memory Support:	DDR4 (max.16GB)
Installed Memory:	**brak** (Available in a different version)
Storage (HDD) Support:	SSD
Installed Storage (HDD):	**None** (Available in a different version)
IP Norm:	-----
Temp:	-20°C do 60°C
Storage temperature:	-40°C do 75°C

Humidity:	8% ~ 90%
Others:	Color Silver
LAN:	Intel® I211A Gigabit (10/100/1000 Mb/s)
Wireless LAN card:	Option 2230 (for WiFi+BT or other module)
3G:	-----
Bluetooth:	No
Rear Panel (ports):	1xRJ-45 LAN | 1xDP | 1xHDMI | 1xDC | 2xUSB 3.0 |1xUSB Type-C
Front Panel (ports):	4xUSB 3.1| 2xRJ-45 LAN| 1xHDMI |1xDC|2xRS-232/RS-422/RS-485|1x3.5mm Audio
Expansion:	-----
Power:	12V
Watch Dog Timer:	Yes
CD/DVD Drive:	-----
TV Tuner:	-----
Dimensions:	198mm x 145mm x 61mm
Fanless:	Yes
Weight:	1590g

687,89 €

net price: 559,26 €

POLYWELL
UNLOCK THE FUTURE

USB BAREBONE

intel CORE i7 8th Gen

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-Nano-U8FL2C6 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 1.59 kg, so it can be conveniently carried in a bag or backpack.

Efficent components

The Intel Core i7-8565U 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-Nano-U8FL2C6	
Processor	Intel Core i7-8565U 4x1.80GHz
Operation system	Linux
RAM	None (DDR4: 8GB) *
Drive	None (SSD: 250 GB SSD) *

Polywell-Nano-U8FL2C6	
Graphic card	Intel® UHD 620/610
Connectivity	WLAN: 1x2230 (for WiFi or another module) * LAN: Intel® I211A Gigabit (10/100/1000 Mb/s)
Front panel	4xUSB 3.1 | 2xUSB 3.0 | 1x 3.5mm Audio Jack
Rear panel	4xUSB 3.1| 2xRJ-45 LAN| 1xHDMI |1xDC|2xRS-232/RS-422/RS-485|1x3.5mm Audio
Available colors	Silver
Dimensions	198 x 145 x 61 mm
Weight	1.59 kg

* Optional equipment, available only in other versions of the device.

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

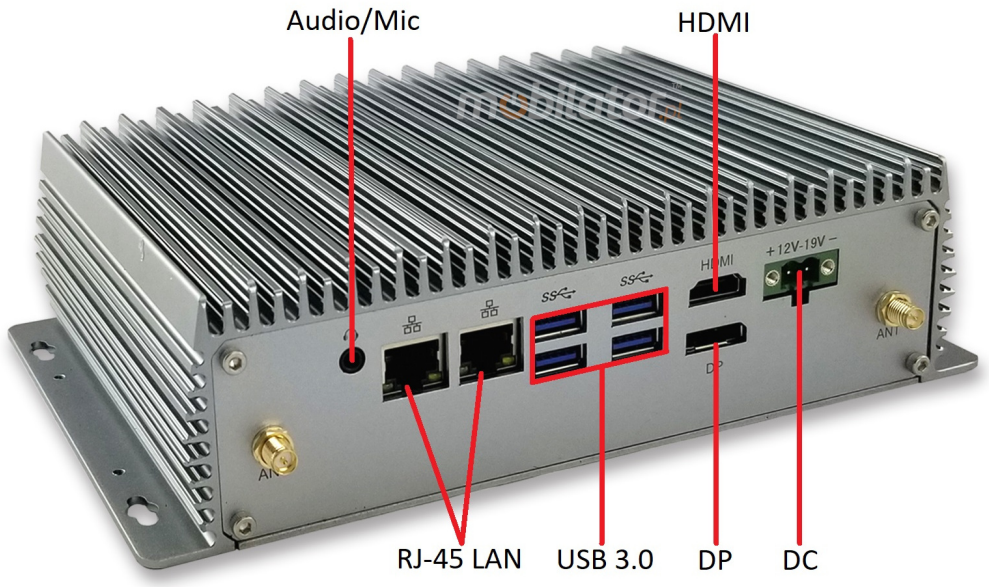
Efficient processor

The industrial mini-computer Polywell-Nano-U8FL2C6 uses an efficient and energy-saving Intel Core i7-8565U 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

Polywell Nano-U8FL2C6 Intel i7 industrial mini computer with connectors: 1xAudio | 2xUSB 2.0 | 2xUSB 3.0 |



*Illustrative photo, connectors are given in the description.

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	198 x 145 x 61 mm
Weight	1590g

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.

RESISTANCE AND DURABILITY

Temperatures

Polywell-Nano-U8FL2C6
is designed for continuous operation in both very low and high temperatures ranging from -20 ° C to 60 ° C. If the device is switched off, it can already handle temperatures in the range of -40 ° C to 75 ° C.

Work temp.	-20°C do 60°C
Storage temp.	-40°C do 75°C
Work Humidity	5% to 95%
Storage Humidity	5% do 95%

Mechanical damage

The passive cooling system used in the MiniPC Polywell-Nano-U8FL2C6 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.

* Optional equipment, available only in other versions of the device.

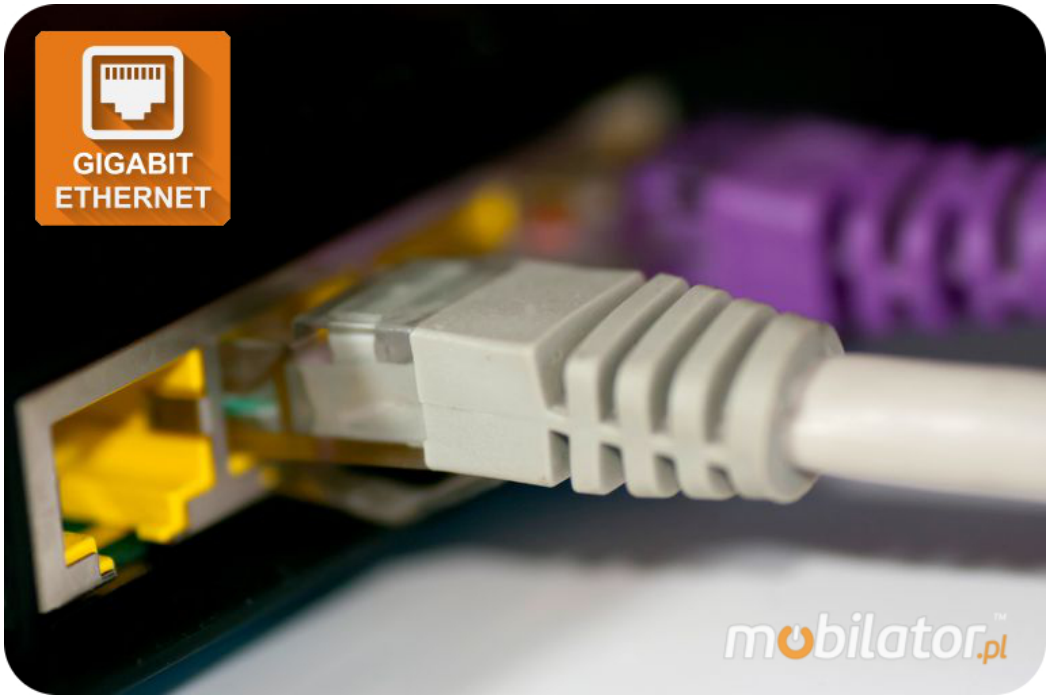
CONNECTIVITY AND COMMUNICATION

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-Nano-U8FL2C6 has been equipped the standard of - Intel® I211A Gigabit (10/100/1000 Mb/s) , which allows transfer of files at a dizzying speed of up to 1200 Mb / s.

Wired LAN Network

The MiniPC Polywell-Nano-U8FL2C6 has built-in Realtek 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 Polywell-Nano-U8FL2C6 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	v.4	v.5	v.6	v.7
Intel Core I7			—	—	—	—	—
Intel Core I5	—	—				—	—
Intel Core I3	—	—	—	—	—		—
Intel Core Pentium	—	—	—	—	—	—	
WiFi	—		—				
Linux	—		—				—
Barebone		—		—	—	—	—
4GB RAM	—	—	—	—	—		
8GB RAM	—		—		—	—	—
16GB RAM	—	—	—	—		—	—
128GB SSD	—	—	—	—	—		

250GB SSD	–	–	–	–