



yBOX-X56-(6LAN)-I7 1165G7 v.4 - Totally silent, ruggedized miniPC for industry with 16GB RAM, 512GB SSD M.2, 6*LAN

Category:	MiniPC Industry
Manufacturer:	Mobilator
Supported OS:	Windows, Linux, CentOS, Pfsense, MikroTIK, VMWare
Installed OS:	-----
Chipset:	Intel Chipset
CPU Support:	Intel Core i7 1165G7
Installed CPU:	Intel Core i7 1165G7 (4x 4.70 GHz)
Graphic Card:	i7 1165G7: Intel Iris Xe Graphics
Memory Support:	DDR4 (max. 32GB)
Installed Memory:	16GB DDR4
Storage (HDD) Support:	M.2 2242
Installed Storage (HDD):	512GB M.2
IP Norm:	-----
Temp:	-20°C to 65°C
Storage temperature:	-40°C to 80°C
Humidity:	0% ~ 90%
Others:	Color Silver VESA mount included
LAN:	6*2.5 GbE Intel i225-V

Wireless LAN card:	Mini PCIe WiFi + Bluetooth
3G:	-----
4G LTE:	-----
Bluetooth:	No
Rear Panel (ports):	6xRJ-45 4xUSB 3.1 HDMI 2x Wi-Fi antennas
Front Panel (ports):	4xUSB 3.1
Expansion:	-----
Power:	12V - power supply available in the kit
Watch Dog Timer:	0-255 seconds
CD/DVD Drive:	-----
TV Tuner:	-----
Dimensions:	155x126x52 mm
Fanless:	Yes
Weight:	1.0kg

Product from the Archive - production finished



TECHNICAL SPECIFICATIONS

RESISTANCE AND DURABILITY

CONNECTIVITY AND COMMUNICATIONS

USAGE

VERSIONS AVAILABLE

Small-sized industrial computers are at the forefront of environments where dust, dirt and moisture are prevalent. They are ideal for applications requiring quiet operation. Small and reliable MiniPCs use heat-pipe technology and aluminum fins for passive cooling. The rugged yBOX-X56 MiniPC Industrial MiniPC is designed for any industrial or non-industrial application that requires continuous operation - 24 hours, 7 days a week.



Small size

The compact form factor makes the Mini PC fit anywhere you need it and is easy to carry.



Lightweight design

The computer weighs less than 1.0 kg, so it can be carried comfortably in a bag or backpack.



Powerful components

Quad-core CPU : Intel
Core i7 1165G7
provides improved device
performance.



Wireless network

Mini PC can be connected to nearby wireless networks by equipping it with an optional Wi-Fi module.



Quick start

A modern SSD will increase the speed of application programs and ensure quiet operation of the computer.



Passive cooling

Mini PC's use of passive cooling ensures noiseless operation and slows dust deposition.

TECHNICAL SPECIFICATIONS

yBOX-X56	
CPU	Intel Core i7 1165G7 (4x 4.70 GHz)
Operating system	Support: Windows, Linux
RAM	16GB DDR4
Hard drive	512GB M2
Graphics card	Intel Iris Xe Graphics
Interfaces	WLAN: 1xMini PCIe WiFi/3G/4G LAN: 6*2.5 GbE Intel i225-V
Connections - front panel	On/Off switch 4 x USB 3.1 HDMI
Connections - rear panel	DC-IN 12V 6xRJ-45 2x Wi-Fi antennas
Available colors	Silver
Measurements	155x126x52 mm
Weight	1.0 kg



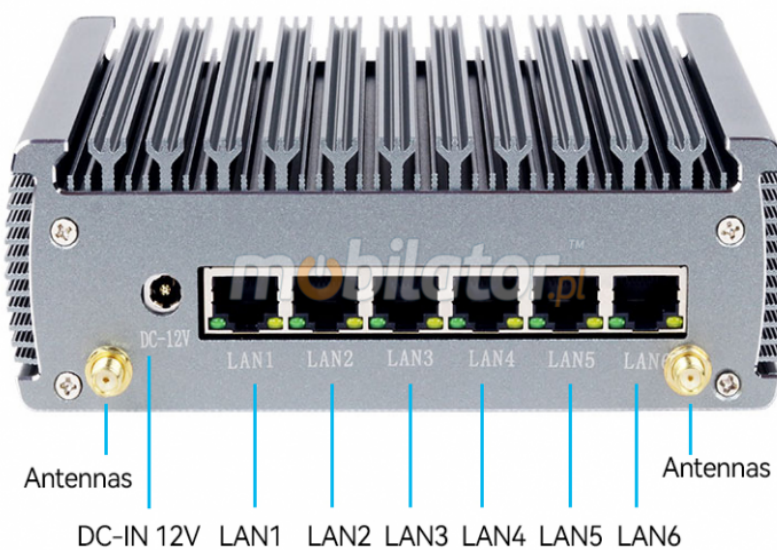
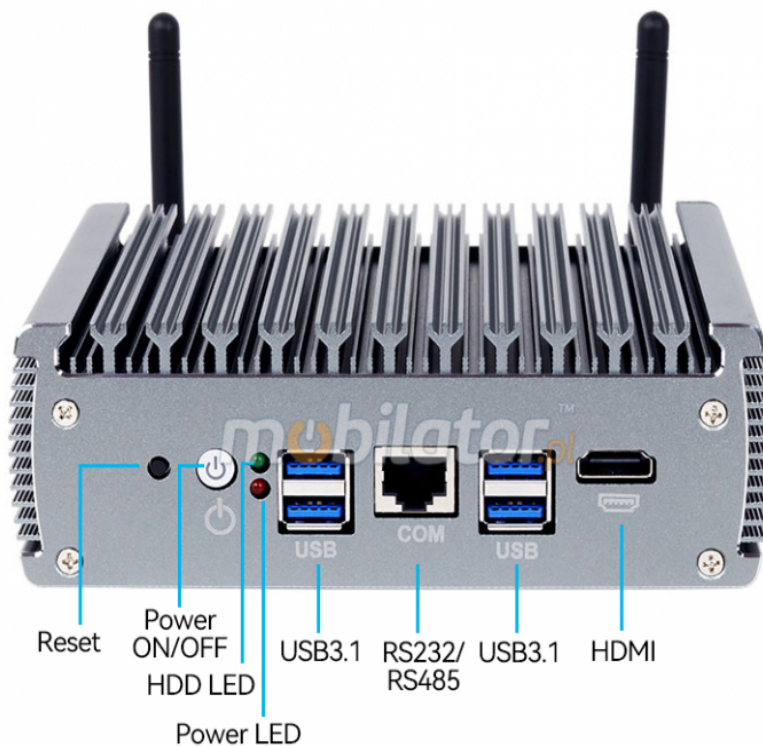
Detailed specifications of the device are available in the "Technical data" tab.

Powerful CPU



The yBOX-X56 Industrial MiniPC uses a powerful and energy-efficient Intel Core i7 1165G7 processor. It features four interacting cores for more efficient processing of multiple tasks simultaneously. The shared cache memory, which uses a multi-level hierarchy, is dynamically allocated to each processor core depending on the workload. This leads to a reduction in the average access time to main memory.

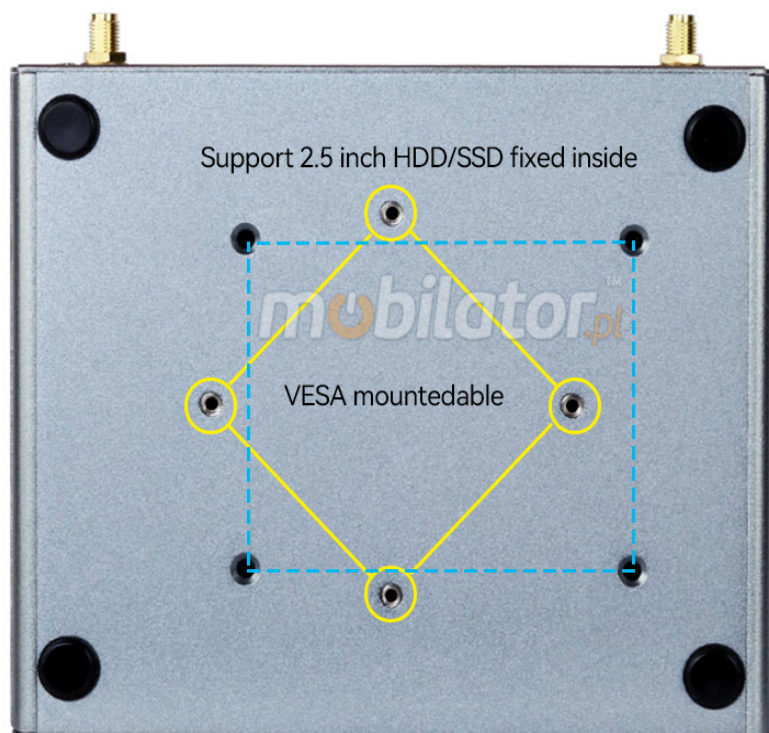
Connectors | Interfaces



Measurements



Thanks to its small size, the MiniPC has versatile applications both at home, in the office and in industry on the factory floor, for example. It will fit literally anywhere, and thanks to its VESA mount, it can be mounted on the back of a monitor to optimize your workstation.



Measurements

155x126x52 mm

Net weight

1.0 kg

Passive cooling

The Industrial Mini PC uses a proven cooling system, based solely on fixed elements, mainly heat sinks. This system takes advantage of the phenomenon of metals giving up heat energy to the environment - there are no additional moving elements in the form of, for example, fans. Such a solution ensures noiseless operation, lower failure rate and greater protection against dust and other dirt, while reducing the amount of energy consumed.

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RESISTANCE AND DURABILITY

Temperature variation

The yBOX-X56 MiniPC is designed for continuous operation in both very low and high temperatures in the range of -20°C to 65°C. In the case of storing the device turned off, it will already cope with temperatures in the range of -40°C to 80°C as well.

Working Temp.	-20°C to 65°C
Resting Temp.	-40°C to 80°C
Operating Humidity	0% to 90%
Resting Moisture	0% to 90%

Mechanical damage

The passive cooling system used in the MiniPC yBOX-X56 makes this computer very resistant to various types of mechanical trauma. An additional advantage of industrial computers is a solid structure made of high-quality aluminum and specially designed in such a way that, in addition to high efficiency at heat dissipation, it can also resist any external damage

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CONNECTIVITY AND COMMUNICATIONS

Wireless network

The dual-band Wi-Fi module provides high-speed network access wherever you can get a connection to secure or open Wi-Fi networks. This is a convenient solution for people who have a router and a wireless network at their workplace or residence, which can be used at no extra charge. The industrial MiniPC yBOX-X56 is equipped with a technology standard - Intel Gigabit, which allows files to be transferred at dizzying speeds of up to 1,000 Mbps.

Wired LAN

The yBOX-X56 MiniPC has a built-in Intel network card that can run on a high-speed Gigabit Ethernet network



Support for Wake-on LAN

Wake-on LAN (WOL) is a technology that allows you to initiate the activation of a computer remotely. With this technology, it is possible to activate a computer from any point on the network, using another device such as a computer, router or phone.

6 * Intel i225 NIC LAN

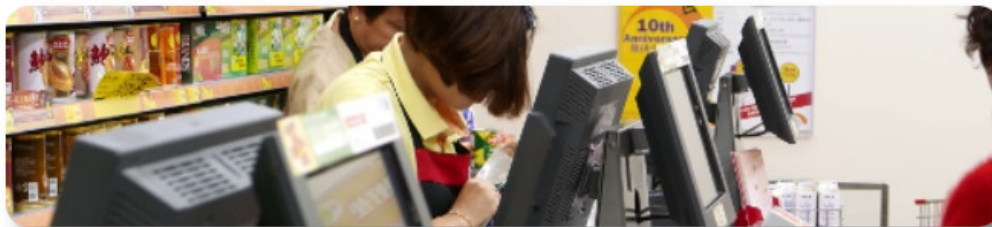
support Wake-on LAN, PXE



USAGE

Trade and Services

Mini PC is an ideal tool to support us in the implementation of many activities in the field of commerce, small dimensions increase its adaptability for such activities as invoicing or preparation of documentation, which in turn allows us to conveniently and optimally manage sales. The VESA mount mounted to the chassis provides many mounting options, for example, in stores (at the cash register, under the desk top, behind the LCD/LED monitor), in factory halls, or in a delivery vehicle



Warehouse and logistics

Thanks to its high performance, the industrial computer can be used to connect a number of devices in the warehouse and make their management much easier. Its rugged housing and fanless cooling system will be ideal for the harsh conditions of such premises. The robust design guarantees long-lasting operation, even in dusty and dirty environments





Transportation and automotive

The small industrial computer can be used in transportation thanks to its ability to operate on 12V power. Then the mini computer can be used in cars, buses, streetcars, cabs, trains and even airplanes. It allows informing the driver about the current state of the vehicle, transmitting its current location to the management center, displaying passenger information, etc. It will perform its functions very well in vehicles where the small size of the device matters.



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

VERSIONS AVAILABLE

The yBOX X56 industrial mini computer is offered in several versions to suit different needs. By clicking on the hardware configuration number you will be redirected to the product with the parameters listed in the table below.

	v.0	v.1	v.2	v.3	v.4	v.5
8GB RAM (DDR 4)	—			—	—	—
16GB RAM (DDR 4)	—	—	—			—
32GB RAM (DDR 4)	—	—	—	—	—	
128GB (SSD)	—		—	—	—	—
256GB (SSD)	—	—		—	—	—
256GB (M.2 2242)	—	—	—		—	—
512GB (M.2 2242)	—	—	—	—		—
1000GB (M.2 2242)	—	—	—	—	—	
WiFi + Bluetooth	—					

