



Computer Industry Fanless MiniPC yBOX -
GX30 (2 LAN) - J1900 Barebone

BAREBONE



Category:	MiniPC Industry
Manufacturer:	Mobikator
Others:	Color Black
Chipset:	Intel express chipset
CPU Support:	Intel Pentium
Installed CPU:	Intel Celeron J1900 (2x 2.00GHz) 2MB SmartCache
Memory Support:	DDR3L SO-DIMM (max. 8GB)
Installed Memory:	None (Available in a different version)
Graphic Card:	Intel HD Graphics
Storage (HDD) Support:	SSD / HDDmSATA / SATA
Installed Storage (HDD):	None (Available in a different version)
CD/DVD Drive:	-----
LAN:	2x Realtek RTL8111F 10/100/1000M
Wireless LAN card:	Option
Bluetooth:	-----
3G:	-----
TV Tuner:	-----
Watch Dog Timer:	Yes

Front Panel (ports):	2x USB 2.02x USB 3.02x RS232Power On/Off
Rear Panel (ports):	Power connector DC12V2x Realtek RTL8111F 10/100/1000M1x VGA1x HDMI1x Audio
Power:	12V3A
Supported OS:	Microsoft Windows: 7/8/10, Linux
Installed OS:	-----
Dimensions:	125mm x 133mm x 40mm
Weight:	680g
Expansion:	-----
Fanless:	Yes
Humidity:	10% ~ 90%
Temp:	0°C — 60°C
IP Norm:	-----
Storage temperature:	-20°C — 85°C

Product from the Archive - production finished

Fanless MiniPC yBOX GX30



BAREBONE

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 yBOX GX30 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 1.0 kg, so it can be conveniently carried in a bag or backpack.



Efficient components

The Intel Celeron J1900 dual-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.

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SPECIFICATION

Performance

Processor

Intel Celeron J1900 (2x 2.00GHz)

Performance	
Graphics card	Intel HD Graphics
Operating system	Windows 7/8/10 Linux
RAM	None (2GB /4GB / 8GB DDR3L [*])
Drive	None (32GB/ 64GB/ 128GB SSD [*] 500GB/ 1 TB HDD [*])
Interfaces	
Connectivity	Wi-Fi [*] LAN - 2x Realtek RTL8111F 10/100/1000 Mbps
Front panel	2x USB 2.0 / 2x USB 3.0/ 2x RS232 / Power On/Off
Rear panel	Power connector / 2x Gigabit LAN / 1x USB 3.0 / 1x USB 2.0 / 1x HDMI / 1x VGA
Other	
Available colors	Black
Dimensions	125mm x 133mm x 40mm
Weight	0.68kg

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



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

EFFICIENT PROCESSOR

The industrial mini-computer yBOX GX30 uses an efficient and energy-saving Intel Celeron J1900 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



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.

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RESISTANCE

TEMPERATURES

yBOX GX30 is designed for continuous operation in both very low and high temperatures ranging from 0 °C to 50 °C. If the device is switched off, it can already handle temperatures in the range of -20 °C to 80 °C.



Work temp.	0°C — 50°C
Storage temp.	-20°C — 80°C
Humidity	10% — 90%

MECHANICAL DAMAGE

The passive cooling system used in the MiniPC yBOX GX30 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.

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CONNECTION

WIRELESS NETWORK (OPTIONAL)

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 yBOX GX30 has been equipped the standard of - 802.11n, which allows transfer of files at a dizzying speed of up to 300 Mb / s.

WIRED LAN NETWORK

The MiniPC yBOX GX30 has built two Realtek network adapters that can work in a fast Gigabit Ethernet network.



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APPLICATIONS

TRADE AND SERVICES

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.



WAREHOUSE AND LOGISTICS

Thanks to 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 pictures of the device available in the "[Gallery](#)" tab.

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VERSIONS



The industrial mini-computer yBOX GX30 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. In addition, it is possible to create a configuration that is currently unavailable on the customer's request.

	v.0	v.1	v.2	v.3	v.4	v.5
4 GB RAM	—				—	—
8 GB RAM	—	—	—	—		
32 GB SSD	—		—	—	—	—
64 GB SSD	—	—		—	—	—
500 GB HDD	—	—	—		—	—
128 GB SSD	—	—	—	—		—
1 TB HDD	—	—	—	—	—	