USB 3.0

intel

BAREBONE

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Computer Industry Fanless MiniPC MiniPC yBOX - X29 (2 LAN) - J1900 Barebone

Category:	MiniPC Industry
Manufacturer:	Mobilator
Supported OS:	Microsoft Windows: 7/8/10, Linux
Installed OS:	-----
Chipset:	Intel express chipset
CPU Support:	Intel Pentium
Installed CPU:	Intel Celeron J1900 (4x 2.00GHz) 2MB SmartCache
Graphic Card:	Intel HD Graphics
Memory Support:	DDR3L SO-DIMM (max. 8GB)
Installed Memory:	**None** (Available in a different version)
Storage (HDD) Support:	SSD / HDDmSATA / SATA
Installed Storage (HDD):	**None** (Available in a different version)
IP Norm:	-----
Temp:	-20°C — 80°C
Storage temperature:	-20°C — 80°C
Humidity:	10% ~ 90%
Others:	Color Black
LAN:	2x RealTek 8103EL 10/100 Mbps

Wireless LAN card:	Option
3G:	-----
Bluetooth:	-----
Rear Panel (ports):	DC 12 V HDMI VGA 2x LAN COM
Front Panel (ports):	Power On/Off2x USB 3.02x USB 2.0 Audio Mic
Expansion:	-----
Power:	12V5A
Watch Dog Timer:	Yes
CD/DVD Drive:	-----
TV Tuner:	-----
Dimensions:	134mm x 124mm x 36mm
Fanless:	Yes
Weight:	1500g

Product from the Archive - production finished

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-X29 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 2.0 kg, so it can be conveniently carried in a bag or backpack.

Efficent components

The Intel Celeron J1900 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.

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SPECIFICATION

Performance	
Processor	Intel Celeron J1900 (4x 2.00GHz)

Performance

Graphics card	Intel HD Graphics
Operating system	Windows 7/8/10	Linux
RAM	None (4GB / 8GB DDR3L*)
Drive	None (32GB/ 64GB/ 128GB SSD* | 500GB/ 1 TB HDD*)

Interfaces

Connectivity	Wi-Fi * LAN - 2x RealTek 8103EL 10/100 Mbps
Front panel	Power On/Off / 2x USB 3.0 / 2x USB 2.0 / Audio/ Mic
Rear panel	DC 12 V / HDMI / VGA / 2x LAN / COM

Other

Available colors	Black
Dimensions	134mm x 124mm x 36mm
Weight	1.50kg

* 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-X29 uses an efficient and energy-saving Intel 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

2x USB 2.0   2x USB 3.   Audio   Mic   Power On/Off

DC IN   HDMI   VGA   2x LAN   COM

DIMENSIONS

134mm

124mm

36mm

DC IN   HDMI   VGA   LAN1   LAN2   COM

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

TEMPERATURES

yBOX-X29 is designed for continuous operation in both very low and high temperatures ranging from -20 ° C to 80 ° C. If the device is switched off, it can already handle temperatures in the range of -20 ° C to 80 ° C.

BLACK

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

MECHANICAL DAMAGE

The passive cooling system used in the MiniPC yBOX-X29 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.

CONNECTION

WIRELESS NETWO . (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-X29 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-X29 has built- wo Realtek network adapters that can work in a fast Fast Ethernet network.
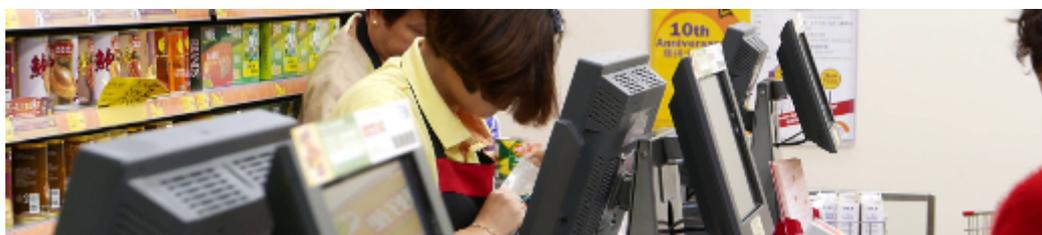
APPLICATIONS

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 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.

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-X29 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	–	–	–	–	–	