



Industrial Fanless MiniPC - NUC mBOX - JW310 v.3

Category:	MiniPC Industry
Manufacturer:	Mobilator
Others:	Colour Black/Silver
Chipset:	JNU91-2930
CPU Support:	-----
Installed CPU:	Intel Celeron Quad Core N2930 (4x1.83GHz)
Memory Support:	2GB DDR3L (can up to 4GB)
Installed Memory:	4GB DDR3L
Graphic Card:	Intel HD Graphics
Storage (HDD) Support:	-----
Installed Storage (HDD):	128 GB mSata
CD/DVD Drive:	-----
LAN:	Intel RTL8111E 1000M Lan
Wireless LAN card:	Yes
Bluetooth:	-----

3G:	-----
TV Tuner:	-----
Watch Dog Timer:	0 ~ 255 sec
Front Panel (ports):	1x USB 3.0, 1x COM(RS232)
Rear Panel (ports):	2x USB 2.0, 1x Audio, 1x RJ-45, DC-in Jack, 2x HDMI, 1x WiFi
Power:	12V
Supported OS:	Microsoft Windows: XP/Vista/7, Linux
Installed OS:	-----
Dimensions:	116 x 110 x 49 mm
Weight:	1.6 kg
Expansion:	-----
Fanless:	Yes
Humidity:	0 ~ 95%
Temp:	0 ~ 35
IP Norm:	-----
Storage temperature:	0 ~ 60

Product from the Archive - production finished



Industrial Fanless

Fanless industrial PCs are excellent in environments dominated by dust, dirt and moisture. They are ideal for applications that require quiet operation. Small and reliable MiniPC use of heat-pipe technology and aluminum fans for passive cooling.

mBOX-JW310 is a series of devices for industrial applications requiring continuous operation - 24 hours, 7 days a week.

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Housing dimensions are **116 (W) x110 (L) x49 (H) mm** or **116 (W) x110 (L) x65 (H) mm (With 2.5" HDD Module)**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **1.6 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.

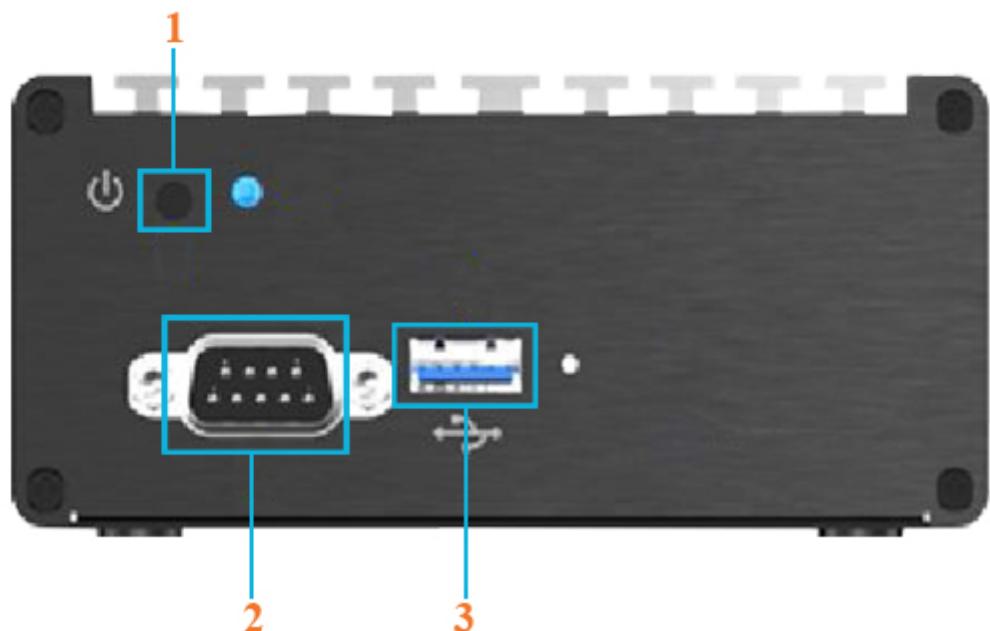
Using the latest technology Digital Engine (industrial fanless MiniPC) is designed for continuous multitasking operating with low power consumption. An important advantage is the effective combination of small size with considerable opportunities through the use of Intel's processor family, Intel chipset and **DDR3L** memory. Integrated **Intel HD Graphics** video and audio **Realtek ALC662** allow you to play a wide range of applications and media files (video, audio) - in Full HD quality. Disks offer free space from **32GB SSD** to **256GB SSD** (from **320GB** to **1TB HDD**).



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Integrated card - **Intel 1000M Lan RTL8111E** and **WiFi** module allows connection to the network. The computer is equipped with: one LAN port, one **COM port (RS232)**, two **HDMI** ports, two **USB 2.0** ports, two **USB 3.0** ports, one way audio.

Front panel:

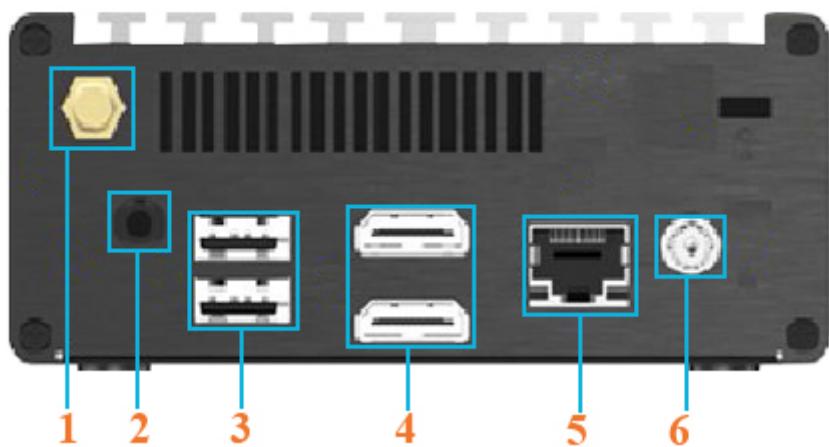


1. Power ON/OFF

3. 1x USB 3.0

2. 1x COM(RS232)

Rear panel:



1. WiFi

5. 1x RJ-45

2. Audio

6. DC-IN 12V

3. 2x USB 2.0

4. 2x HDMI

Mainboard:



Cooling

The industrial fanless MiniPC mBOX-JW310 v.3 uses a special method of cooling. This cooling takes place mainly by means of housing having a very large surface (longitudinal lamells, ribs) - for heat dissipation. Fan used inside the computer is designed to rapidly drain hot air from the CPU, allowing MiniPC to reach more efficiently and faster cooling.

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Industrial MiniPC Series mBOX-JW310 v.3 are based on high-performance two-core processors and high-quality components. Mini computers are locked in small industrial housing which perfectly discharge heat from the device interior. Wide choice of IBOX models can give possibility to configure, enabling optimal selection of mini computer to multimedia applications and industrial applications. The biggest advantages of these devices are: small size, performance and energy efficiency. An extra pair of brackets at the bottom of the enclosure increases the possibility of installation in all kinds of places and positions. Offered model mini PC has been selectively chosen and configured specifically to the requirements of Digital Signage systems, gaming machines, amusement machines, information kiosks and industrial automation systems.



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Dual display



Areas of use of industrial MiniPC

Digital Engine

New Portable Devices | NIP: 872-120-56-82 | Mobile.: +48 508 235 505 | e-mail: sklep@mobilator.pl
Account number: ALIOR BANK SA 68 2490 0005 0000 4500 2328 8078

