Mobile.: +48 508 235 505
e-mail: sklep@mobilator.pl

10x Industrial Fanless MiniPC - NUC mBOX - JW310 v.3

Category:	MiniPC Industry
Manufacturer:	Mobilator
Supported OS:	Microsoft Windows: XP/Vista/7 , Linux
Installed OS:	-----
Chipset:	JNU91-2930
CPU Support:	-----
Installed CPU:	Intel Celeron Quad Core N2930 (4x1.83GHz)
Graphic Card:	Intel HD Graphics
Memory Support:	2GB DDR3 (can up to 4GB)
Installed Memory:	4GB DDR3
Storage (HDD) Support:	-----
Installed Storage (HDD):	128 GB mSata
IP Norm:	-----
Temp:	0 ~ 35
Storage temperature:	0 ~ 60
Humidity:	0 ~ 95%
Others:	Colour Black/Silver
LAN:	Intel RTL8111E 1000M Lan
Wireless LAN card:	Yes
3G:	-----

Bluetooth:	-----
Rear Panel (ports):	2x USB 2.0, 1x Audio,1x RJ-45, DC-in Jack, 2x HDMI,1x WiFi
Front Panel (ports):	1x USB 3.0, 1x COM(RS232)
Expansion:	-----
Power:	12V
Watch Dog Timer:	0 ~ 255 sec
CD/DVD Drive:	-----
TV Tuner:	-----
Dimensions:	116 x 110 x 49 mm
Fanless:	Yes
Weight:	1.6 kg

Product from the Archive - production finished

Industrial Fanless

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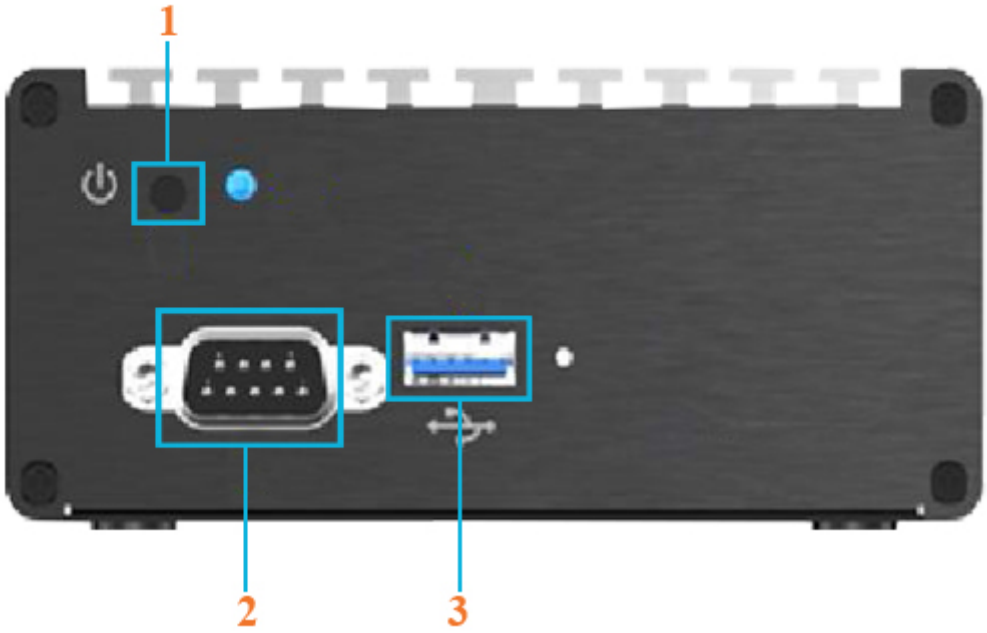
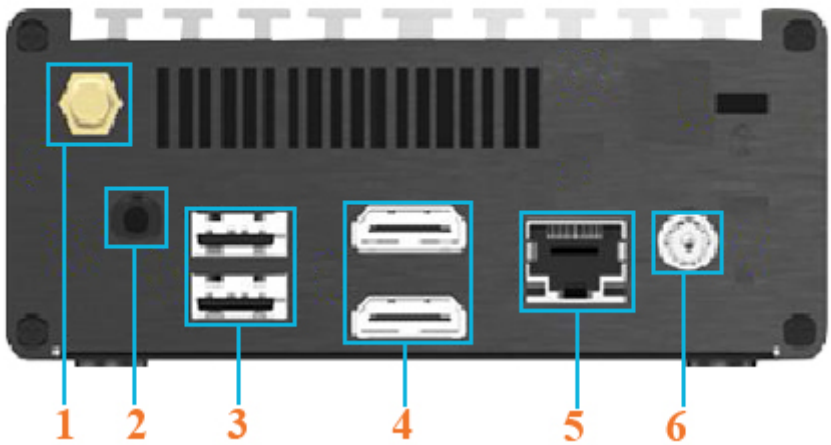
Integrated card - **Intel 1000M Lan RTL8111E** and **WiFi** module allows connection to the network. The computer is equipped with: one LAN port, one **COM port (RS232),** two **HDMI** ports, two **USB 2.0** ports, two **USB 3.0** ports, one way audio.

Front panel:



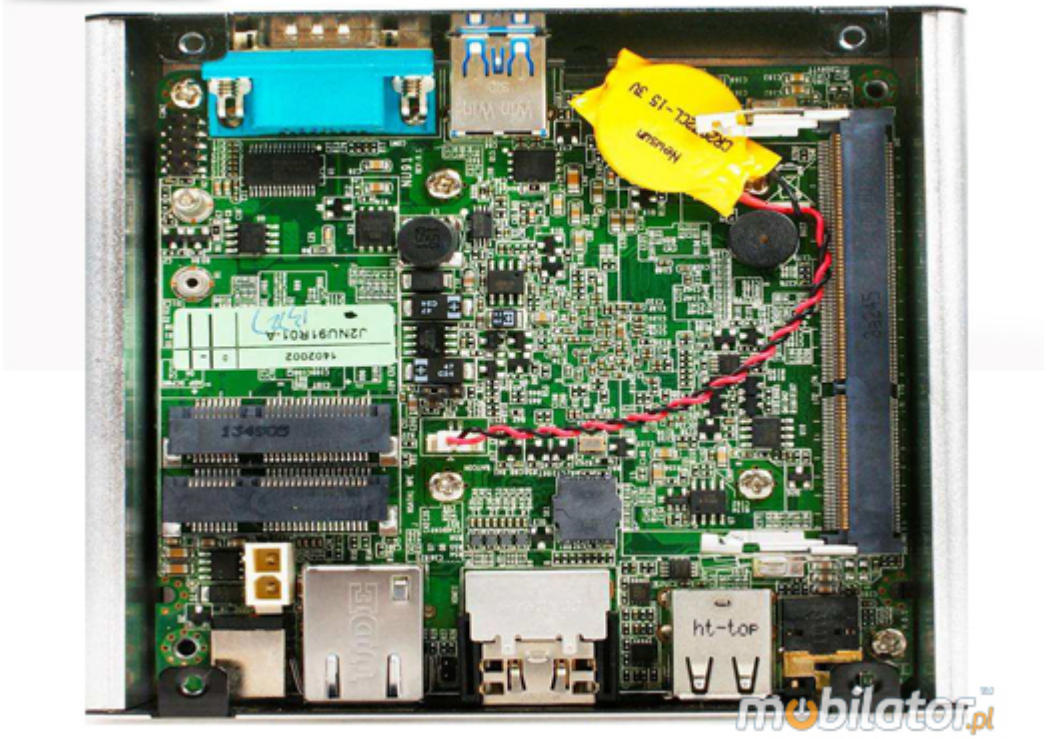
1. Power ON/OFF
2. 1x COM(RS232)
3. 1x USB 3.0

Rear panel:



1. WiFi
2. Audio
3. 2x USB 2.0
4. 2x HDMI
5. 1x RJ-45
6. DC-IN 12V

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 advantagesof 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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Areas of use of industrial MiniPC

Digital Engine