BAREBONE

intel inside™ CORE i5

intel Intel® HD Graphics

Industrial Fanless MiniPC mBOX Nuc Q220N-01 v.Barebone

Category:	MiniPC Industry
Manufacturer:	Mobilator
Others:	Colour Black
Chipset:	Intel express chipset
CPU Support:	-----
Installed CPU:	**Intel i5 3317U Dual Core (2x1,7GHz)**
Memory Support:	DDR3 (max. 8GB) 1333MHz/1600MHz SO-DIMM
Installed Memory:	-----
Graphic Card:	**Intel HD Graphics 4400**
Storage (HDD) Support:	SSDmSATA
Installed Storage (HDD):	-----
CD/DVD Drive:	-----
LAN:	**Realtek RTL8111E 10/100/1000 Controller**
Wireless LAN card:	No (opc.)
Bluetooth:	-----
3G:	-----
TV Tuner:	-----
Watch Dog Timer:	0 ~ 255 sec

Front Panel (ports):	4x USB2.01x COM(RS232), 1x Mic, Power ON/OFF
Rear Panel (ports):	DC-IN 12V, 1x RJ-45 LAN, 1x Audio, 1x HDMI, 1x VGA, 1x USB 2.0
Power:	12V
Supported OS:	Microsoft Windows: 7/8/8.1/10, Linux
Installed OS:	-----
Dimensions:	134 x 128 x 38 mm
Weight:	680g
Expansion:	-----
Fanless:	Yes
Humidity:	10 ~ 90%
Temp:	0 50
IP Norm:	-----
Storage temperature:	-20 ~ 80

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.

Industrial Fanless MiniPC mBOX Nuc Q220N is a series of devices for industrial applications requiring continuous operation - 24 hours, 7 days a week.

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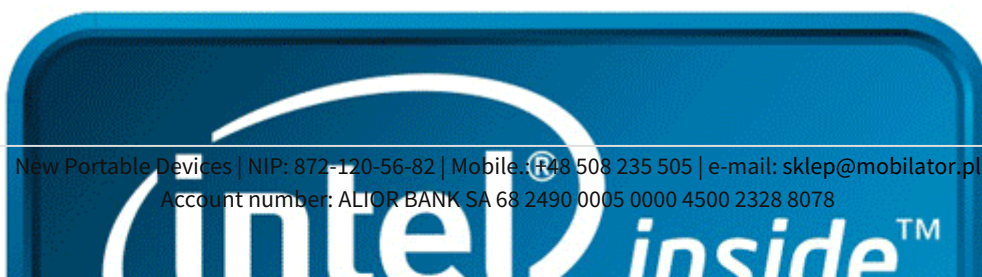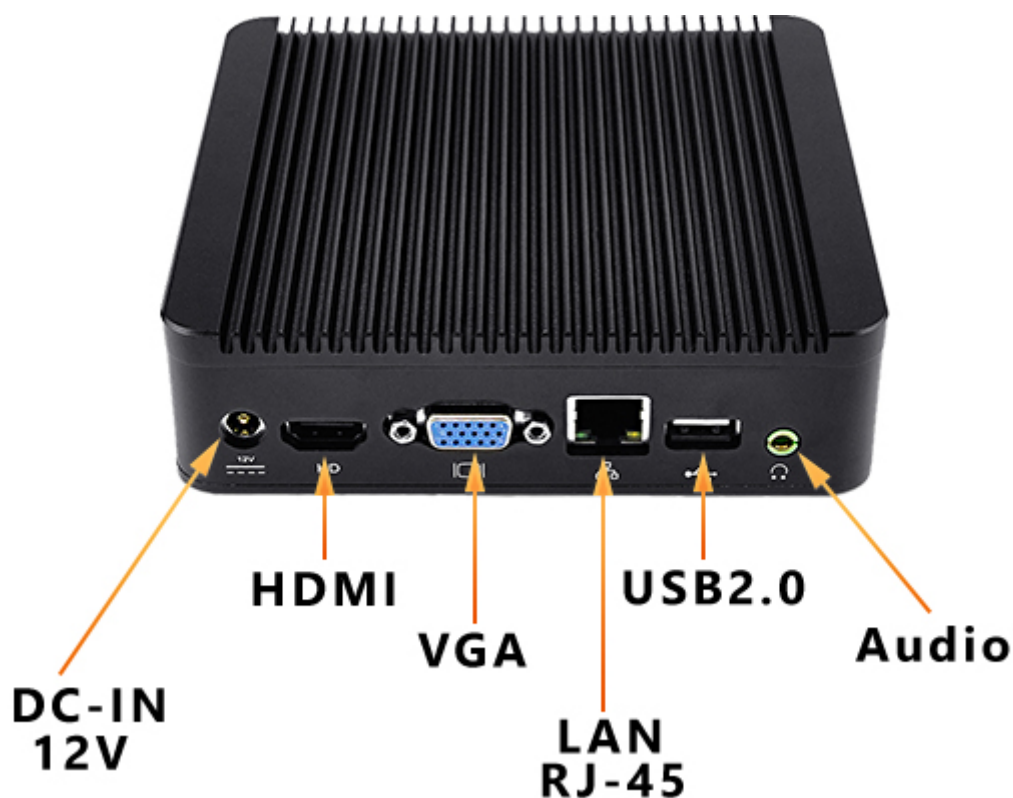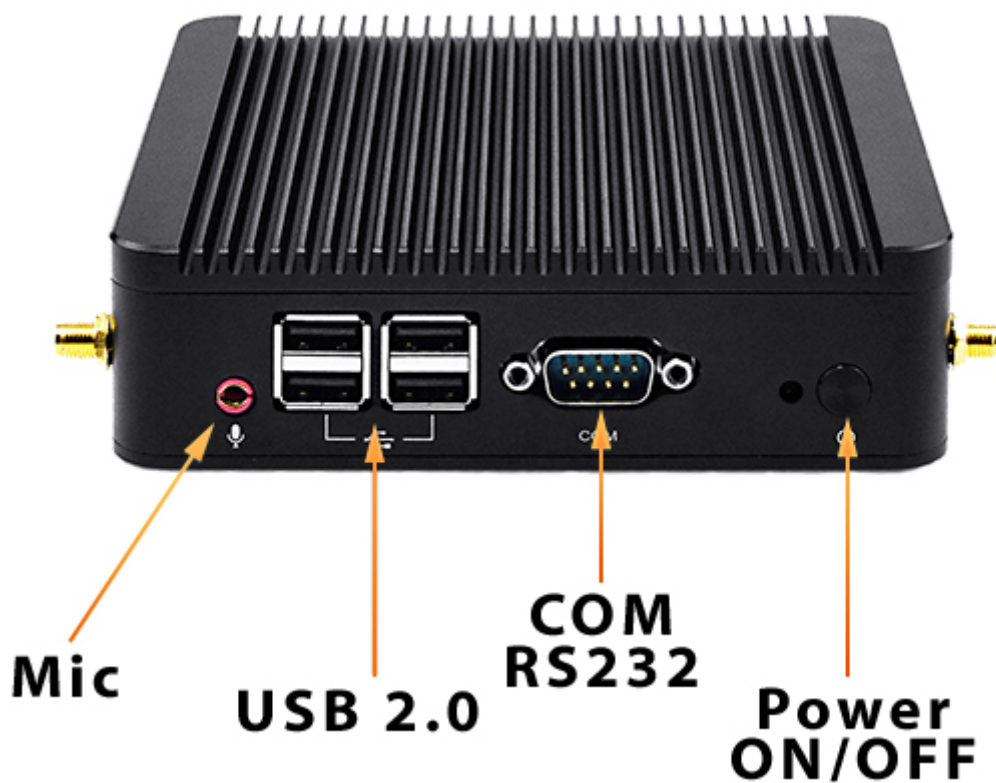
Housing dimensions are **134 (W) x128 (L) x38 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model is ready at any time for operation even in extreme conditions such as heat, cold, vibration.

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 **2/4GB DDR3** memory. Integrated **Intel HD Graphics 4000** 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 **32GB/64GB/128GB SSD**.


go top...

Integrated card - **Realtek RTL8111E 10/100/1000 Controller** allow connection to the network. The computer is equipped with: one **LAN** port, one **HDMI** port, one **VGA** port, five **USB 2.0** ports, one **COM(RS232)** port one **Audio** input and one **Mic** output.

Mic

USB 2.0

COM RS232

Power ON/OFF

HDMI

VGA

USB2.0

Audio

DC-IN 12V

LAN RJ-45
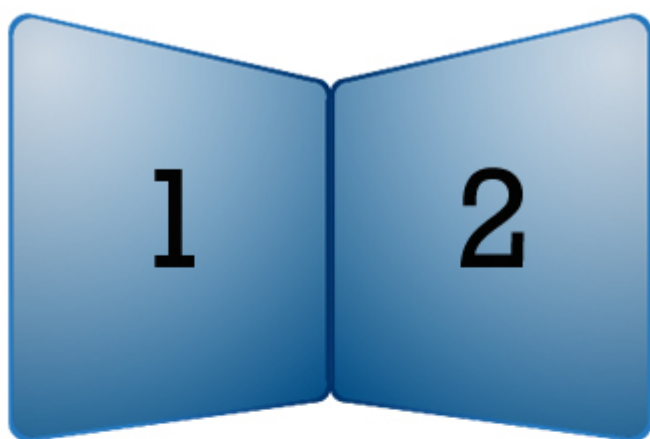
Cooling

The Industrial Computer Fanless MiniPC mBOX Nuc Q220N 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.

go top...

Industrial Computer Fanless MiniPC mBOX Nuc Q220N are based on high-performance dual-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 mBOX 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.

Areas of use of industrial MiniPC

Dual Display