



## Industrial Computer Fanless MiniPC IBOX-QM87 i5 (LPT i GPIO) v.1

<b>Category:</b>	MiniPC Industry
<b>Manufacturer:</b>	Mobikator
<b>Supported OS:</b>	Microsoft Windows: 7/8/8.1/10, Linux
<b>Installed OS:</b>	-----
<b>Chipset:</b>	Intel QM87 express chipset
<b>CPU Support:</b>	-----
<b>Installed CPU:</b>	Intel® Core™ i5-4200M (2x 2.5GHz)
<b>Graphic Card:</b>	Intel HD Graphics
<b>Memory Support:</b>	DDR3 (max. 16GB)
<b>Installed Memory:</b>	4GB DDR3
<b>Storage (HDD) Support:</b>	-----
<b>Installed Storage (HDD):</b>	64 GB SSD
<b>IP Norm:</b>	-----
<b>Temp:</b>	0 60☒
<b>Storage temperature:</b>	0~ 60☒
<b>Humidity:</b>	10 ~ 90%
<b>Others:</b>	Color Black
<b>LAN:</b>	1x Intel L2101x Intel L217

<b>Wireless LAN card:</b>	Yes
<b>3G:</b>	No
<b>Bluetooth:</b>	Yes
<b>Rear Panel (ports):</b>	4x USB 3.0 2x RS232-COM 2x LAN 2x DisplayPort DC-IN 12V 1x VGA 1x HDMI 1x Audio 1x Mic
<b>Front Panel (ports):</b>	4x RS232-COM 4x USB 2.0 Power ON/OFF LPT GPIO
<b>Expansion:</b>	-----
<b>Power:</b>	12V
<b>Watch Dog Timer:</b>	0 ~ 255 sec
<b>CD/DVD Drive:</b>	-----
<b>TV Tuner:</b>	-----
<b>Dimensions:</b>	265.4 x 203.6 x 68 mm
<b>Fanless:</b>	Yes
<b>Weight:</b>	2.2kg

**Product from the Archive - production finished**

## Fanless MiniPC IBOX-QM87 i5



## 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 heat-pipe technology and aluminum fins for passive cooling.

**MiniPC IBOX-QM87 i5** is a series of devices for industrial applications requiring continuous operation - 24 hours, 7 days a week.

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Housing dimensions are **203.6 (W) x 265.4 (L) x 68 (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 **4/8/16GB DDR3** 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 **64GB/128GB/256GB SSD** and **500GB HDD**.



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Integrated cards - **Intel L210**, **Intel 217** and **Wi-Fi** module allows connection to the network. The computer is equipped with: two **LAN** ports, one **GPIO** interface one **VGA** port, six **COM** ports, one **LPT** port, one **PCI** port, two **DP** ports, four **USB 2.0** ports, four **USB 3.0** ports and a built-in connector on the motherboard: four **SATA** ports, one **MiniSATA** port, and one **Mini-PCIE** connectors.

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## Cooling

The industrial fanless MiniPC IBOX-QM87 i5 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 IBOX-QM87 i5 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.



## Areas of use of industrial MiniPC

### Digital Engine



## Digital Engine



## Trade

Small, fanless computer can find various of commercial applications such as computer system for sale, for display informations about the products on monitors or ads on the big screens. With the help of handles combined with the housing there are many mounting possibilities - such as: in shops (at the cash register, at the back of monitors for LCD / LED), in factories halls, in the cars which are used for distribute different kind of products, etc., will certainly find application in all kinds of networks trade.



## Magazine

Industrial fanless IBOX-QM87 i5 by USB ports can be used to connect multiple devices in the store or warehouse and make them easier to control. Its durable housing is perfectly designed for the harsh conditions prevailing in these areas. Any dust or dirt does not impede him in his work, will work without any problems even in high concentrations of dust and in polluted environments.

## Transport and cars

MiniPC IBOX-QM87 i5 can be used on transport market, in cars, through adapting him to operate with a supply 12V. Mini computer can be used in cars, buses, trams, taxis, trains, and even airplanes. Thanks to its functions is suitable for all vehicles in which the restriction is a small space to mount additional hardware.



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### Dimension

H: 68 mm

L: 265.4mm

W: 203.6 mm

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### Processor

Intel Core i5-4200M (2x 2.5GHz)

