Industrial Computer Fanless MiniPC IBOX-QM87 i5 v.6

Category:	MiniPC Industry
Manufacturer:	Mobilator
Supported OS:	Microsoft Windows: 7/8/8.1/10, Linux
Installed OS:	-----
Chipset:	Intel QM87 express chipset
CPU Support:	-----
Installed CPU:	Intel® Core™ i5-4200M (2x 2.5GHz)
Graphic Card:	Intel HD Graphics
Memory Support:	DDR3 (max. 16GB)
Installed Memory:	16GB DDR3
Storage (HDD) Support:	-----
Installed Storage (HDD):	256 GB SSD & 500 GB HDD
IP Norm:	-----
Temp:	0 60⊠
Storage temperature:	0~ 60⊠
Humidity:	10 ~ 90%
Others:	Color Black
LAN:	1x Intel L2101x Intel L217

Wireless LAN card:	Yes
3G:	No
Bluetooth:	Yes
Rear Panel (ports):	4x USB 3.02x RS232-COM 2x LAN2x DisplayPortDC-IN 121x VGA1x HDMI1x Audio1x Mic
Front Panel (ports):	4x RS232-COM4x USB2.0Power ON/OFF
Expansion:	-----
Power:	12V
Watch Dog Timer:	0 ~ 255 sec
CD/DVD Drive:	-----
TV Tuner:	-----
Dimensions:	265.4 x 203.6 x 68 mm
Fanless:	Yes
Weight:	2.2kg

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.

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**.

Integrated cards - **Intel L210, Intel 217** and **Wi-Fi** module allows connection to the network. The computer is equipped with: two **LAN** ports, one **VGA** port, six **COM** ports, 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 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

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

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