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## Industrial MiniPC IBOX-M847-S100 High (WiFi - Bluetooth)

<b>Category:</b>	MiniPC Industry
<b>Manufacturer:</b>	Mobilator
<b>Supported OS:</b>	Microsoft Windows: XP/Vista/7 , Linux
<b>Installed OS:</b>	-----
<b>Chipset:</b>	Intel NM70
<b>CPU Support:</b>	-----
<b>Installed CPU:</b>	Intel Celeron 1037 (2x1.8GHz)
<b>Graphic Card:</b>	Intel HD 2500
<b>Memory Support:</b>	2GB DDR3 (can up to 8GB)
<b>Installed Memory:</b>	4GB DDR3
<b>Storage (HDD) Support:</b>	-----
<b>Installed Storage (HDD):</b>	64 GB SSD or 500GB HDD
<b>IP Norm:</b>	-----
<b>Temp:</b>	-10 ~ 60
<b>Storage temperature:</b>	-20 - 70
<b>Humidity:</b>	0 ~ 95%
<b>Others:</b>	Colour Black, Case
<b>LAN:</b>	Intel RTL8105E 100M Lan
<b>Wireless LAN card:</b>	Yes

<b>3G:</b>	-----
<b>Bluetooth:</b>	Yes
<b>Rear Panel (ports):</b>	4x USB 2.0, 1x Audio, 1x RJ-45, DC-in Jack, 1xVGA, 1x Mic, 1x LPT, 1x COM(RS232)
<b>Front Panel (ports):</b>	2x USB 2.0, Audio/Mic, 5x COM(RS232)
<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>	196 x 204 x 70 mm
<b>Fanless:</b>	-----
<b>Weight:</b>	2,4 kg

### Product from the Archive - production finished



## Industrial MiniPC

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 fans for passive cooling.

**IBOX-M847-S100** is a series of devices for industrial applications requiring continuous operation - 24 hours, 7 days a week.

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Housing dimension are **196 (W) x204 (L) x70 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **2.4 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 **DDR3** memory. Integrated **Intel HD 2500** 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 SSD** or **500GB HDD**.



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Integrated card - **Intel RTL8105E 100M** (optional WiFi module) allow connection to the network. The computer is equipped with: one **LAN** port, six **COM ports (RS232)**, six **USB 2.0** ports - optional two ports COM(RS422/485, one **LPT** input, one **VGA** input, one way audio, one microphone input and connectors built into the motherboard: four **USB 2.0** ports, two **PowerOUT** outputs, one audio output, one **CPUFAN**, one **JVGA** connector, one **LVDS** connector.

### LVDS Interface

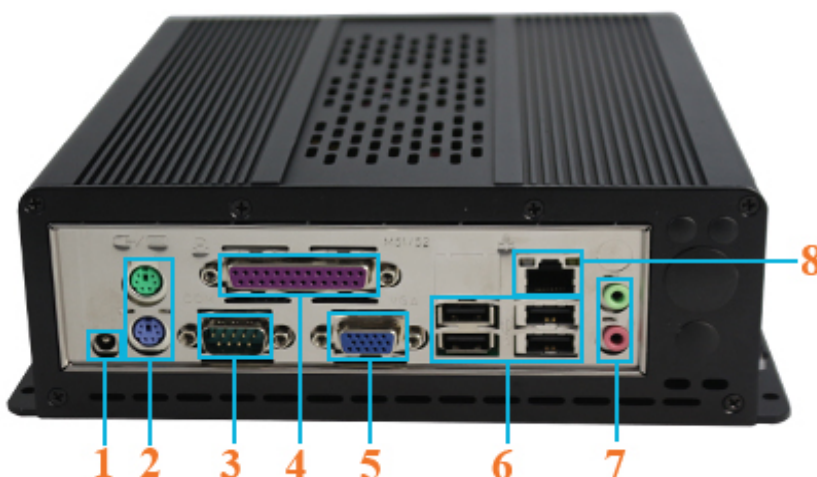
This is a fast digital interface that is used for many applications requiring: a high resistance to interference electromagnetic, low energy consumption at high data rates. LVDS is used in various applications and industries, including commercial and military applications.

### Front panel:



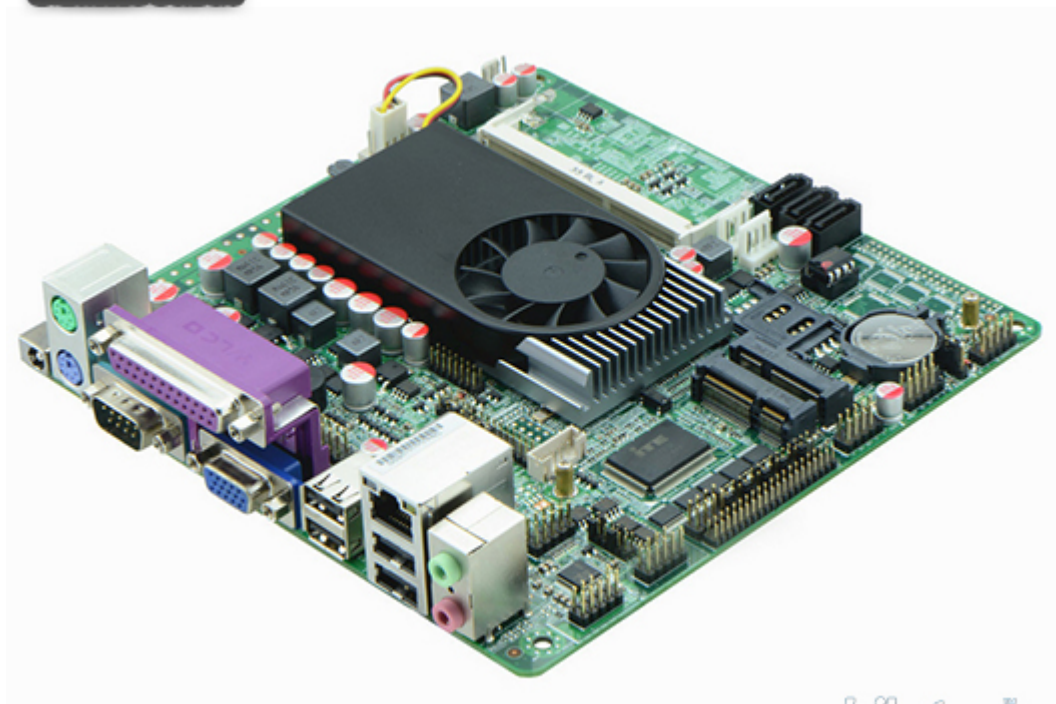
- |               |                  |
|---------------|------------------|
| 1. 2x USB 2.0 | 3. Power ON/OFF  |
| 2. Audio/Mic  | 4. 5x COM(RS232) |

### Rear panel:



- |                  |               |
|------------------|---------------|
| 1. DC-IN 12V     | 5. 1x VGA     |
| 2. 2x PS/2       | 6. 4x USB 2.0 |
| 3. 1x COM(RS232) | 7. Audio/Mic  |

## Mainboard:



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## Cooling

The industrial MiniPC IBOX-M847-S100 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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## Trade

Small, 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.

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