



## 10x Industrial Fanless MiniPC mBOX Nuc Q180-02 v.1

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Category:</b>                | MiniPC Industry                    |
| <b>Manufacturer:</b>            | Mobikator                          |
| <b>Supported OS:</b>            | Microsoft Windows: 7/8/8.1, Linux  |
| <b>Installed OS:</b>            | -----                              |
| <b>Chipset:</b>                 | Intel NM70                         |
| <b>CPU Support:</b>             | -----                              |
| <b>Installed CPU:</b>           | Intel Celeron J1800 (2x2,41GHz)    |
| <b>Graphic Card:</b>            | Intel HD Graphics                  |
| <b>Memory Support:</b>          | 2GB DDR3 (can up to 4GB)           |
| <b>Installed Memory:</b>        | 2GB DDR3                           |
| <b>Storage (HDD) Support:</b>   | -----                              |
| <b>Installed Storage (HDD):</b> | 16GB SSD (opc. SSD + 2,5" SSD/HDD) |
| <b>IP Norm:</b>                 | -----                              |
| <b>Temp:</b>                    | 0 - 50                             |
| <b>Storage temperature:</b>     | -15 - 70                           |
| <b>Humidity:</b>                | 0 ~ 95%                            |
| <b>Others:</b>                  | Colour Black, Aluminum             |
| <b>LAN:</b>                     | Intel RTL8111E Lan                 |
| <b>Wireless LAN card:</b>       | No (optional Yes)                  |
| <b>3G:</b>                      | No                                 |

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| <b>Bluetooth:</b>           | No                                                          |
| <b>Rear Panel (ports):</b>  | 1x Audio, 1x RJ-45, 1x HDMI, 1x VGA, 1x USB 2.0             |
| <b>Front Panel (ports):</b> | Power ON/OFF, 1x USB 2.0, 1x USB 3.0, 1x COM(RS232), 1x Mic |
| <b>Expansion:</b>           | WiFi                                                        |
| <b>Power:</b>               | 12V                                                         |
| <b>Watch Dog Timer:</b>     | 0~255 sec                                                   |
| <b>CD/DVD Drive:</b>        | -----                                                       |
| <b>TV Tuner:</b>            | -----                                                       |
| <b>Dimensions:</b>          | 135 x 128 x 45 mm                                           |
| <b>Fanless:</b>             | Yes                                                         |
| <b>Weight:</b>              | 0.82 kg                                                     |

**Product from the Archive - production finished**



## 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 of heat-pipe technology and aluminum fans for passive cooling.

**MBOX Nuc Q180** is a series of devices for industrial applications requiring continuous operation - 24 hours, 7 days a week.

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Housing dimension are **135 (W) x128 (L) x45 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **0.82 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 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 **16GB/32GB/64GB/128GB SSD**. Support together: mSata SSD and 2.5 inch SSD/HDD - SATAIII.



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Integrated card - **Intel RTL8111E LAN** (optional WiFi module) allow connection to the network. The computer is equipped with: one **LAN** port, one **COM(RS232)** port, one **VGA** output, two **USB 2.0** ports, one **USB 3.0** ports, one **HDMI** output one way audio, one microphone input.



- |               |                   |
|---------------|-------------------|
| 1. 1x Mic     | 4. 1x COM (RS232) |
| 2. 1x USB 2.0 | 5. Power ON/OFF   |
| 3. 1x USB 3.0 |                   |



- |              |               |
|--------------|---------------|
| 1. DC-IN 12V | 4. 1x RJ-45   |
| 2. 1x HDMI   | 5. 1x USB 2.0 |

3. 1x VGA

6. 1x Audio



## Cooling

The industrial fanless MiniPC MBOX Nuc Q180 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.

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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.



