Industrial MiniPC IBOX-N455-S100 (WiFi - Bluetooth)

Category:	MiniPC Industry
Manufacturer:	Mobilator
Others:	Colour Black, Case
Chipset:	Intel ICH8M
CPU Support:	-----
Installed CPU:	Intel Atom N455 (1.66GHz)
Memory Support:	2GB DDR3 (can up to 8GB)
Installed Memory:	2GB DDR3
Graphic Card:	Intel GMA3150
Storage (HDD) Support:	-----
Installed Storage (HDD):	64 GB SSD or 500GB HDD
CD/DVD Drive:	-----
LAN:	Intel RTL8105E 100M Lan
Wireless LAN card:	Yes
Bluetooth:	Yes

3G:	-----
TV Tuner:	-----
Watch Dog Timer:	0 ~ 255 sec
Front Panel (ports):	2x USB 2.0, Audio/Mic, 1x COM(RS232)
Rear Panel (ports):	4x USB 2.0,1x Audio,1x RJ-45, DC-in Jack, 1xVGA,1x Mic, 2x PS/2, 1x LPT, 1x COM(RS232)
Power:	12V
Supported OS:	Microsoft Windows: XP/Vista/7 , Linux
Installed OS:	-----
Dimensions:	196 x 204 x 70 mm
Weight:	2,4 kg
Expansion:	-----
Fanless:	-----
Humidity:	0 ~ 95%
Temp:	-10 - 60
IP Norm:	-----
Storage temperature:	-20 - 70

Product from the Archive - production finished

IBOX-N455-S100

Industrial MiniPC

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.

IBOX-N455-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 GMA3150** 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 from **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, two **COM ports (RS232)**, six **USB 2.0** ports, 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 **SIM**, one **JVGA** connector, one **GPIO** connector, one **LVDS** connector.

General-purpose input/output (GPIO)

This is a generic pin on an integrated circuit whose behavior, including whether it is an input or output pin, can be controlled by the user at run time. GPIO pins have no special purpose defined, and go unused by default. The idea is that sometimes the system integrator building a full system that uses the chip might find it useful to have a handful of additional digital control lines, and having these available from the chip can save the hassle of having to arrange additional circuitry to provide them**.**

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.
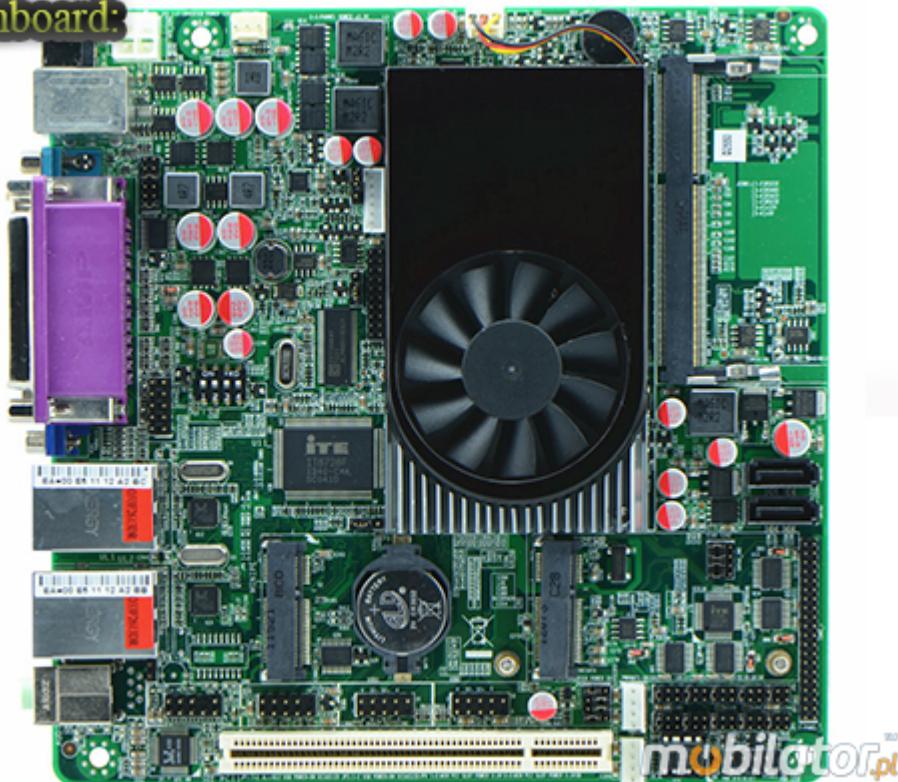
Front panel:

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

Rear panel:

1. DC-IN 12V   5. 1x VGA

Mainboard:

Cooling

The industrial MiniPC IBOX-N455-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.

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.

Magazine

Industrial MiniPC IBOX-N455-S100 by to ten COM ports (RS232) 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.