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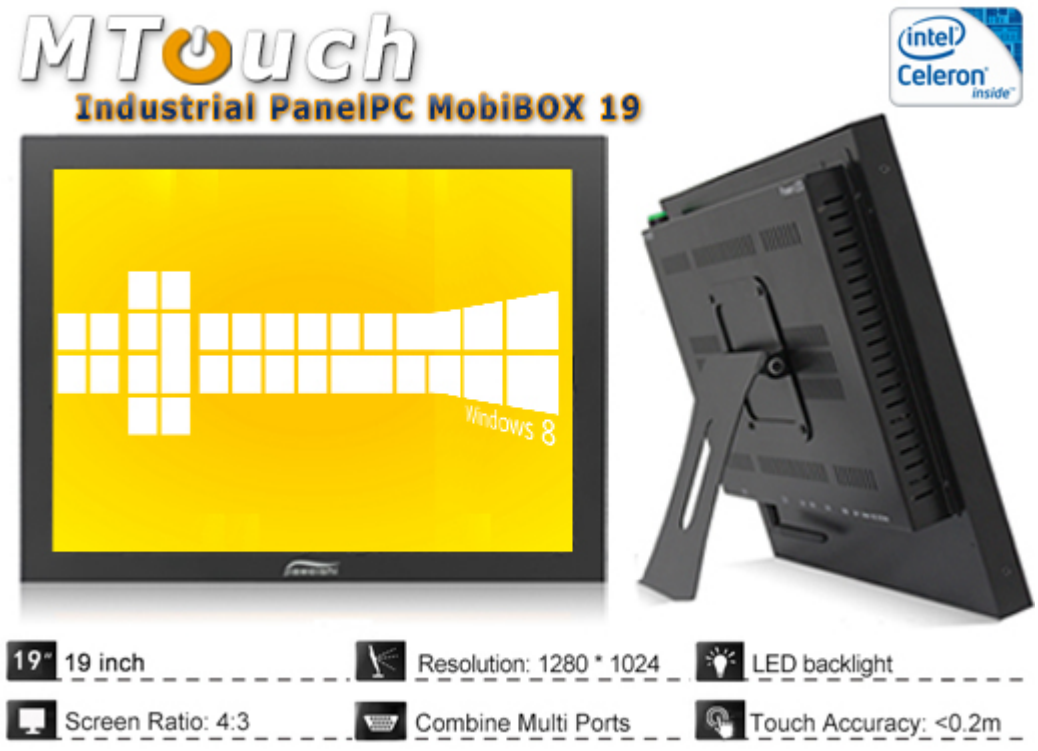
Industial PanelPC MobiBOX 19 v.1

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Screen size:	19"
Resolution:	1280 x 1024
Aspect ratio:	4:3
Touchscreen:	Resistive Type 5-Wire
Chipset:	Intel NM70
CPU Support:	Inte Celeronl Dual Core 1037 (2 x 1.8GHz) / Intel® Atom™ Procesor D2550 (1M Cache, 2 x 1.86 GHz)
Installed CPU:	Inte Celeronl Dual Core 1037 (2 x 1.8GHz)
Memory Support:	up to 4GB (max);
Installed Memory:	2 GB
Graphic Card:	Intel HD Graphics
Audio:	Realtek ALG662 6 sound track audio frequency
Storage (HDD) Support:	32 - 512 GB SSD / 320 - 1TB HDD

Installed Storage (HDD):	32 GB S-ATA SSD
CD/DVD Drive:	-----
LAN:	Realtek RTL 8111E, 10/100/1000Mbit 1 x RJ45 Port
Wireless LAN card:	Yes
Bluetooth:	-----
3G:	-----
GPS:	-----
TV Tuner:	-----
Watch Dog Timer:	-----
Ports - front panel:	-----
Ports - rear panel:	1x COM(RS-232) / 4x USB 2.0 / 1x HDMI / 1x VGA / 1xLAN / 1x Audio / 1x MIC / 1x DC-in
Ports - left panel:	-----
Ports - right panel:	-----
Power:	12V DC-in
Supported OS:	Microsoft Windows: XP/Vista/7/8/8.1; Linux
Installed OS:	-----
Dimensions:	427 x 350 x 55 mm
Weight:	13 kg
Expansion:	-----
Fanless:	No
Humidity:	0%~ 80%
Temp:	-10°C ~ 60°C
Storage Temp:	-10°C ~ 60°C
IP Norm:	-----
IP Level (back panel):	-----
IP Level (front panel):	-----
Dual display:	Yes
Response time touch-panel (ms):	5

Contrast Ratio:	1000:1
Brightness:	500 cd/m2
Viewing Angle:	H170/170 V160/160
Backlight MTBF:	LED
Color Resolution:	16.7 M
Surface hardness (display):	-----
Touch Life(contacts):	more than 35 000 000 times
Housing material:	Metal
Mounting VESA:	Yes
Folding Bracket (for office type working):	Yes
Power Consumption:	40 W
Others:	Housing color: Black / White
Anti-vibration:	-----
Anti-shock:	-----
RFID scanner (reader):	-----

Product from the Archive - production finished



Industrial Panel PC

Industrial Panel PC are excelent in environments dominated by dust, dirt and moisture. They are ideal for applications that require quiet operation.

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MTouch

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CPU: Intel® Celeron™ Procesor 1037U (2M Cache, 2 x 1.80 GHz) / Intel® Atom™ D2550 (1M Cache, 2 x 1.86 GHz) **(optoin)**

Memory: 2GB RAM

Disk: 32GB SSD / HDD **(optoin)**

System: Windows 8.1/8 / Windows 7 / Windows XP / Linux

Screen: 19" / 1280x1024 / 4:3 / 5 - Wire Resistive

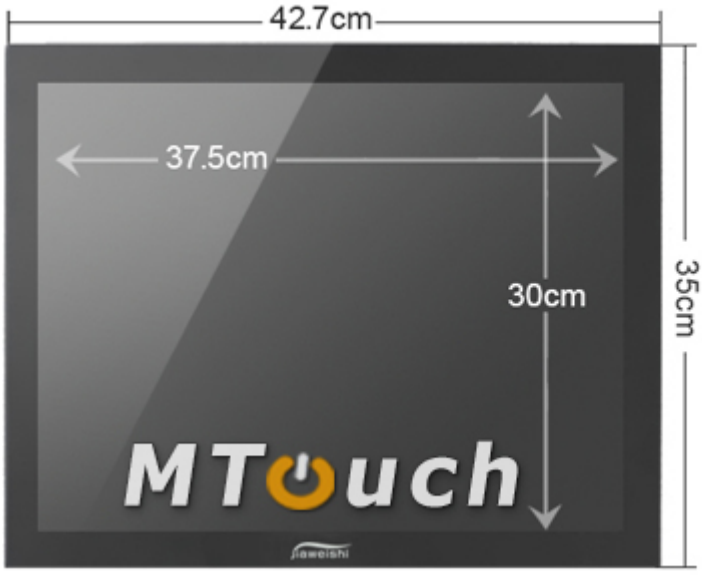
Expansion cards: 2 x Mini PCI Express

Detailed specification of the configuration available in the **"Technical data"**

Using the latest technology Panel PC is designed for continuous multitasking operating with low power consumption (**40 W**). An important advantage is the effective combination of small size with considerable opportunities, through the use of **Intel® Celeron** processor family, Intel chipsets and **DDR2** memory. Integrated Intel®HD Graphics video graphics card and audio Realtek ALC662 allow you to play a wide range of applications and media files (video, audio). Disks offer free space from **32GB** SSD to 512GB SSD (**320GB** to 1TB HDD option).

Dimensions:

Housing dimension are **427 (W) x 350 (L) x 55 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **13 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.



Cooling:

Industial PanelPC MobiBOX 19 is a series of devices for industrial applications requiring continuous operation - 24 hours, 7 days a week.

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Communication:

Industial PanelPC MobiBOX 19 standard has a system of wireless Wi-Fi communication. Optionally in other models are available also modules such as 3G.

Connector:

Integrated IntelRTL8111E LAN 1xRJ 1000M-45, WiFi module allows you to connect the device to the network. The computer is equipped with: one LAN connector, one COM ports (RS232), one VGA, one HDMI output, four USB 2.0 ports, one audio out, one microphone input, and a power DC-in.

1. Antena WI-FI
2. COM (RS-232)
3. 2 x USB 2.0
4. HDMI
5. VGA
6. 2 x USB 2.0
7. LAN (RJ 45)
8. Audio
9. Mic
10. DC-in

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Industial PanelPC MobiBOX 19 has a water-resistant front panel and scratch resistant LED screen. With 1024x768 resolution and high brightness of 500 cd/m2, screen of "5 wire resistive" type with high sensitivity to touch, offers the user a clear picture and ease of use.

Resistive screen

A resistive touchscreen comprises of several layers, out of which the flexible plastic and glass layers are two important electrically resistive layers. The front surface of resistive touchscreen panel is a scratch-resistant plastic with coating of a conductive material (mostly Indium Tin Oxide, ITO), printed underside. The second important layer is either made of glass or hard plastic and is also coated with ITO. Both the layers face each other and are separated with a thin gap in between. An electrical resistance is created between both the layers in such a way that charge runs from top to bottom in one layer and side-to-side in another. When a finger or stylus tip presses down on the outer surface, both the ITO films meet. It is the measure of the resistance of both the layers at point of contact, which leads to get an accurate measurement of the touch position. The accuracy also relies on the evenness of the coating of ITO on both the layers.