

MTouch



Operator Panel Industrial MobiBOX IP65 1037U 19 3G v.3

Category:	Industrial Panel PC Computers
Manufacturer:	Mobikator
Supported OS:	Microsoft Windows: 7/8.1/10; Linux
Installed OS:	-----
Screen size:	19"
Resolution:	1024 x 1280
Aspect ratio:	5:4
Brightness:	350 cd/m2
Touchscreen:	Resistive Type 5-Wire Capacitive (option)
CPU Support:	Intel Celeron 1037U (2 x 1.80GHz)
Installed CPU:	Intel Celeron 1037U (2 x 1.80GHz)
Graphic Card:	Intel HD Graphics
Storage (HDD) Support:	32 - 512 GB SSD / 320 - 1TB HDD
Installed Storage (HDD):	64 GB SSD
Memory Support:	up to 8GB (max);
Installed Memory:	4 GB
IP Norm:	-----
IP Level (front panel):	IP65

IP Level (back panel):	-----
Temp:	-10°C ~ 60°C
Storage Temp:	-30°C ~ 60°C
Humidity:	10%~ 80%
Anti-shock:	-----
Anti-vibration:	-----
Barcode reader:	-----
RFID scanner (reader):	-----
Others:	Housing color: Black / Silver
LAN:	1 x RTL811E gigabit network card
Wireless LAN card:	Yes
3G:	Yes
Bluetooth:	-----
GPS:	-----
Ports - rear panel:	2x COM(RS-232)4x USB 2.01x HDMI1x VGA1xLAN1x Audio1x MIC1x DC-in
Ports - front panel:	-----
Ports - left panel:	-----
Ports - right panel:	-----
Expansion:	-----
Power:	12V DC-in
Power Consumption:	40 W
Watch Dog Timer:	-----
Mounting VESA:	Yes
Folding Bracket (for office type working):	-----
Chipset:	Intel NM10
CD/DVD Drive:	-----
Audio:	Realtek ALG662
TV Tuner:	-----

Backlight MTBF:	LED
Contrast Ratio:	1000:1
Dual display:	Yes
Viewing Angle:	70°-85°
Touch Life(contacts):	more than 35 000 000 times
Surface hardness (display):	-----
Color Resolution:	16.7 M
Response time touch-panel (ms):	5
Housing material:	Aluminum Alloy+High Strength Cold Rolled Steel
Dimensions:	451 x 380 x 59.2 mm
Fanless:	No
Weight:	5 kg

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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CPU: Intel® Celeron™ Procesor 1037U (2M Cache, 2 x 1.80 GHz)



Memory: 4GB RAM



Disk: 64GB SSD



System: Windows 10 / Windows 8.1 / Windows 7 / Linux



Screen: 19" / 1024x1280 / 5:4 / 5 - Wire Resistive



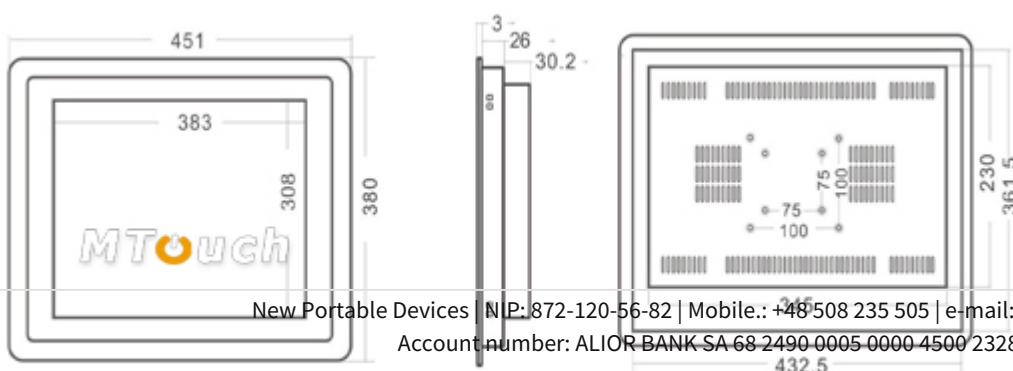
Expansion cards: 3G module

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 **DDR3** 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 **451 (W) x 380 (L) x 59.2 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **5 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.



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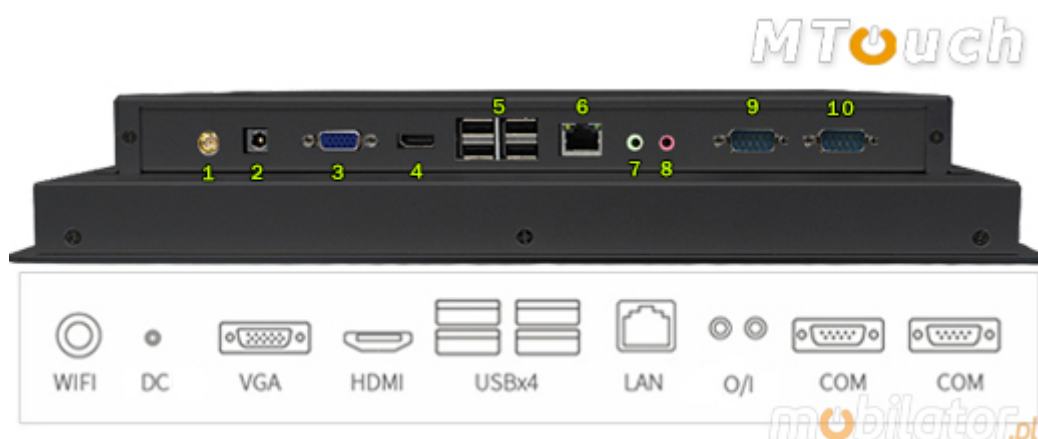
Communication:

Operator Panel Industrial MobiBOX IP65 1037U 19 standard has a system of wireless Wi-Fi communication. Optionally in other models are available also modules such as 3G.



Connector:

Integrated **Intel RTL811E Gigabit LAN 1xRJ-45**, **WIFI** module allows you to connect the device to the network. The computer is equipped with: one **LAN** connector, two **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. DC-IN
3. VGA
4. HDMI

5. 4 x USB 2.0
6. RJ-45
7. Audio
8. Mic

9. COM (RS-232)
10. COM (RS-232)

Dual Display



HDMI™
HIGH DEFINITION MULTIMEDIA INTERFACE



VGA

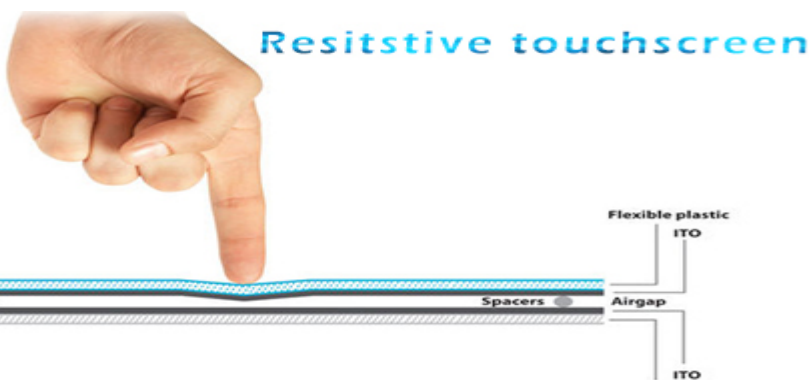
Operator Panel Industrial MobiBOX IP65 1037U 19 has a water-resistant front panel and scratch resistant LED screen. With 1024x1280 resolution and high brightness of 350 cd/m2, screen of "5 wire resistive" type with high sensitivity to touch, offers the user a clear picture and easy navigation.

MTouch



Resistive screen

A resistive touchscreen comprises of several layers, out of which the flexible plastic and glass layers are two important electrical layers. The front surface of resistive touchscreen panel is a scratch-resistant plastic with coating of a conductive material (mostly Indium Oxide, ITO), printed underside. The second important layer is either made of glass or hard plastic and is also coated with ITO. Both 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 the 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, 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 measure of touch position. The accuracy also relies on the evenness of the coating of ITO on both the layers.



New Portable Devices | NIP: 872-120-56-82 | Mobile.: +48 508 235 505 | e-mail: sklep@mobilator.pl

Resistive screen ensures good visibility, which means quite handy in the sun. This type of screen as opposed to a capacitive screen, allows use handwriting (stylus comes in handy here).

