Industial PanelPC D-SYS 10.4 v.5

NSYS

Category:	Industrial Panel PC Computers
Manufacturer:	DNSYS
Screen size:	10.4"
Resolution:	1024 x 768
Aspect ratio:	4:3
Touchscreen:	Resistive Type 4-Wire
Chipset:	Intel® H81 Express Chipset
CPU Support:	Intel Core i7/i5/i3/Celeron - Socket LGA1150
Installed CPU:	Intel® Core™ i5-3470 (6M Cache, 4 x 3.20 GHz)
Memory Support:	do 16 GB DDR3 / 1600/1333MHz / 2 x SO-DIMM
Installed Memory:	4 GB
Graphic Card:	Intel® HD Graphics 2500
Audio:	Realtek ALC109 , 6 channel high-fidelity sound card
Storage (HDD) Support:	32 - 512 GB SSD / 320 - 1TB HDD (SATA II)
Installed Storage (HDD):	128 GB SSD

CD/DVD Drive:	-----
LAN:	Realtek® GbE LAN chip (10/100/1000 Mbit)
Wireless LAN card:	Yes
Bluetooth:	-----
3G:	-----
GPS:	-----
TV Tuner:	-----
Watch Dog Timer:	-----
Ports - front panel:	-----
Ports - rear panel:	1x e-SATA / 1x LAN / 2x USB 3.0 / 2X USB 2.0 / 1x HDMI / 1x DVI / 2x Audio(Mic-in, Line-out)
Ports - left panel:	-----
Ports - right panel:	-----
Power:	12V DC-in
Supported OS:	Microsoft Windows: 7/8
Installed OS:	-----
Dimensions:	256 x 203.2 x 73.5 mm
Weight:	3.5kg
Expansion:	Connector: 2x COM / 1x VGA	Speakers: x2
Fanless:	No
Humidity:	85 % RH
Temp:	0°C ~ 50°C
Storage Temp:	-10°C ~ 60°C
IP Norm:	-----
IP Level (back panel):	-----
IP Level (front panel):	-----
Dual display:	Yes
Contrast Ratio:	500
Brightness:	400 cd/m2

Viewing Angle:	70/70/60/60 (R/L/U/D)
Backlight MTBF:	LCD
Color Resolution:	262K
Surface hardness (display):	-----
Touch Life(contacts):	50 000 h
Housing material:	Metal and Alluminum
Mounting VESA:	Yes
Folding Bracket (for office type working):	-----
Power Consumption:	90 W
Others:	-----
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.

CPU: Intel® Core™ i5-3470 (6M Cache, 4 x 3.20 GHz)

Memory: 4GB RAM

Disk: 128 GB SSD / HDD **(optoin)**

System: Windows 8 / Windows 7

**Screen**: 10.4" / 1024x768 / 4:3 / 4 - Wire Resistive
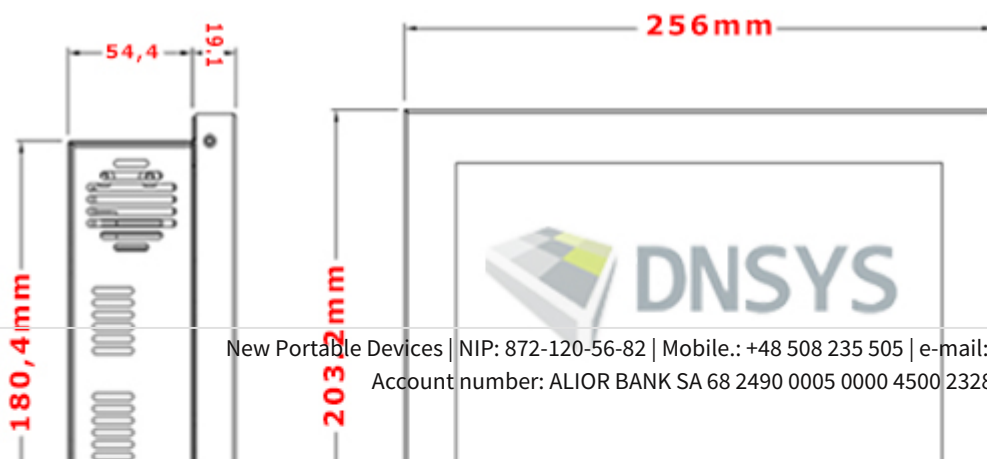
Expansion cards: 1 x PCIe x16, 1 x mini-PCIe

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 (90 W). An important advantage is the effective combination of small size with considerable opportunities, through the use of **Intel® Core i5** processor family, Intel chipsets and **DDR2** memory. Integrated Intel®HD Graphics video graphics card and audio Realtek ALC109 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 **256 (W) x 203.2 (L) x 73.5 (H) mm**. Housing is made of high quality aluminum what ensures a very high resistance to mechanical damages. This model with weight of only **3.5 kg** is ready at any time for operation even in extreme conditions such as heat, cold, vibration.

Communication:
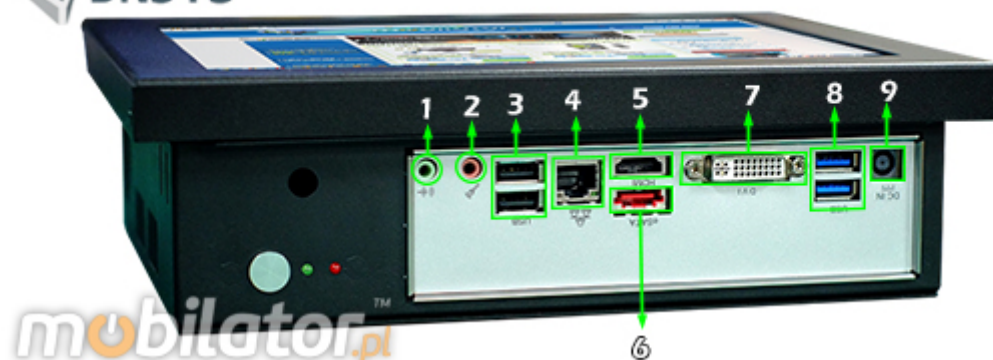
Industial PanelPC D-SYS 10.4 optional has a system of wireless Wi-Fi communication.

Connector:

Integrated Realtek GbE LAN chip (10/100/1000 Mbit), WIFI (optional) allows you to connect the device to the network. The computer is equipped with: one LAN connector, one DVI output, one HDMI output, two USB 2.0 ports, two USB 3.0 ports, one audio input, one microphone, one eSATA port and power connector. Additionally, the panel can be equipped with one VGA connector and two COM connectors.

1. Audio	4. 1 x RJ45	7. 1 x DVI
2. Mic	5. 1 x HDMI	8. 2 x USB 3.0
3. 2 x USB 2.0	6. 1 x eSATA	9. DC-in

Industial PanelPC D-SYS 10.4 has a water-resistant front panel and scratch resistant LCD screen. With 1024x768 resolution and high brightness of 350 cd/m2, screen of "4 wire resistive" type with high sensitivity to touch, offers the user a clear picture and ease of use.

4-Wire resistive

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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.

Resitstive touchscreen

Flexible plastic
ITO

Spacers   Spacers   Airgap

ITO
Glass