HD
HIGH-DEFINITION MU

SSD

Touch PanelPC GESHEM GS1051TA

Category:	Industrial Panel PC Computers
Manufacturer:	Geshem
Screen size:	10.1"
Resolution:	1280 x 800
Touchscreen:	Capacitive, multi-touch point
Chipset:	Intel
CPU Support:	Intel Celeron J1900 (4x 2.00GHz)
Installed CPU:	Intel Celeron J1900 (4x 2.00GHz)
Memory Support:	4GB SO-DIMM DDR3
Installed Memory:	4GB SO-DIMM DDR3
Graphic Card:	Intel HD Graphics
Audio:	RTL ALC662 6-Channel HD Audio
Storage (HDD) Support:	32GB/64GB/128GB/256GB SSD
Installed Storage (HDD):	64GB SSD mSATA
CD/DVD Drive:	-----

LAN:	Intel i211 GbE RJ45
Wireless LAN card:	No
Bluetooth:	No
3G:	No
GPS:	No
TV Tuner:	-----
Watch Dog Timer:	-----
Ports - front panel:	-----
Ports - rear panel:	4x RS232DC 12V
Ports - left panel:	-----
Ports - right panel:	1x HDMI2x RJ45 Gigabit Ethernet4x USB (3x USB2.0, 1x USB3.0)1x Audio
Power:	12V DC-in
Supported OS:	Windows 7 | 8 | 10 | Linux
Installed OS:	-----
Dimensions:	267.2mm x 187.2mm x 31.5mm
Weight:	1.5kg
Expansion:	-----
Fanless:	Yes
Humidity:	93%
Temp:	-10°C ~ 60°C
Storage Temp:	-40°C ~ 80°C
IP Norm:	-----
IP Level (back panel):	-----
IP Level (front panel):	-----
Dual display:	Nie
Response time touch-panel (ms):	-----
Contrast Ratio:	1000:1
Brightness:	350 cd/m2

Viewing Angle:	-----
Backlight MTBF:	LED
Color Resolution:	-----
Surface hardness (display):	-----
Touch Life(contacts):	-----
Housing material:	Aluminum
Mounting VESA:	Yes
Folding Bracket (for office type working):	-----
Power Consumption:	15W
Others:	Housing color: Silver-Black
Anti-vibration:	-----
Anti-shock:	-----
RFID scanner (reader):	-----
Barcode reader:	-----

Product from the Archive - production finished

SPECIFICATION AND PARAMETRS

DISPLAY AND TOUCH

RESISTANCE AND PROTECTION

COMMUNICATION AND CONNECTORS

APPLICATION

AVAILABLE VERSIONS AND ACCESSORIES

Industrial PC panels are integrated devices consisting of a PC computer and a touch monitor. Due to their design, they can work even under severe conditions prevailing in industrial environments, such as high humidity, high dustiness, contact with water or very low or high temperatures. These panels are characterized by high efficiency and stability of operation in all conditions.

Efficient

The quad-core Intel Celeron processor supported by 2GB of RAM improves the device's performance.

Bright Screen

The display with 350cd/ m² brightness makes the picture much more vivid and better readable when used outside in the sun.

Wired LAN network

The panel can be connected with network by twisted-pair cable.

Capacitive screen

The capacitive screen allows precise handling and gentle on-screen movement.
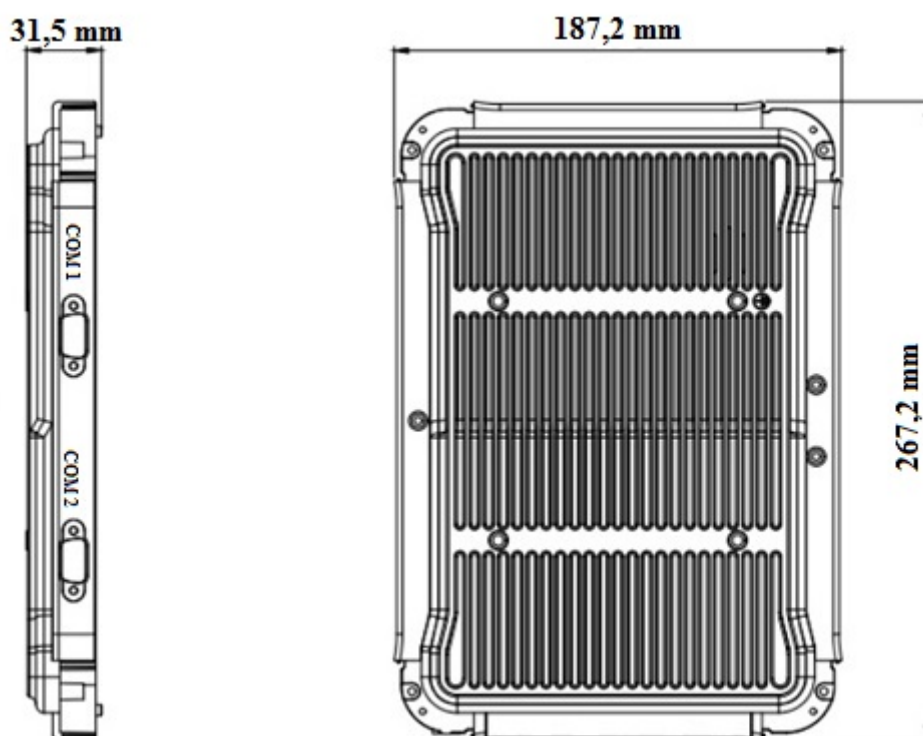
Specifications and parameters

Performance

Processor	Intel Celeron J1900 (4x 2.00GHz)
Graphics card	Intel HD Graphics
Operating system	Windows 7 | 8 | 10 | Linux
RAM	4GB SO-DIMM DDR3
Drive	64GB SSD mSATA

Display

Screen	10.1" (1280x800)
Touch screen	Capacitive, Multi touch point
Brightness	350cd/m²
Contrast	400:1
Response time	—
Hardness	—

Interfaces

Communication	Wired communication with the network
Connectors	HDMI | 3x USB 2.0 | 1x USB 3.0 2x Intel i211 GbE RJ45 | 1x Audio | DC 12V

Other

Dimensions	267.2mm x 187.2mm x 31.5mm
Weight	2.5kg

The dust-proof industrial PC panel uses an efficient and energy-saving Intel Celeron J1900 processor. In its interior there are four cooperating cores enabling more efficient processing of many tasks at the same time. Shared cache memory in which a multi-level hierarchy is used is dynamically allocated to each processor core depending on the load. This reduces the average access time to the main memory. Improved graphics card technology allows you to enjoy movies at full resolution and HD quality.

Display and touch
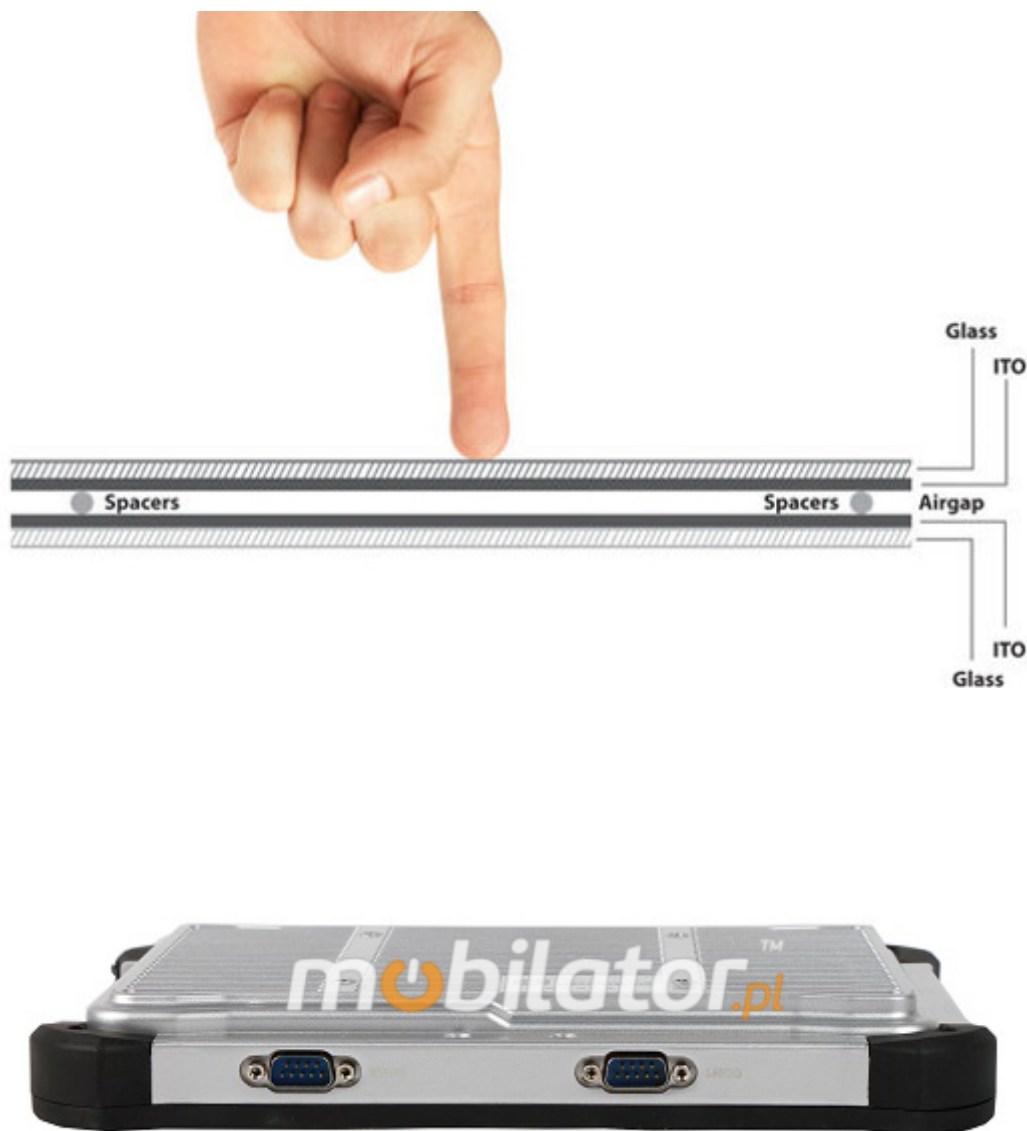
Amplified, waterproof industrial computer GESHEM GS1051TA has a water-resistant and scratch-proof 10.1" TFT LED screen 1280x800 resolution offers good image quality, and high brightness in the 350 cd/m² range gives better color saturation and contrast and allows significantly improved visibility even in the case of incident.

CAPACITIVE SCREEN

In the capacitive screen, the reaction of the device is not to directly press the screen, but to change the electrostatic field at the point where the device is touched.
This allows for much more precise handling and gentle brushes on the screen.

In addition, we can use multitouch technology, the ability to control our screen with a few fingers at once.

Glass
ITO

Spacers   Spacers   Airgap

ITO
Glass

EXTREME TEMPERATURES

PanelPC GESHEM GS1051TA is adapted for continuous operation in both very low and high temperatures in the range from -10 ° C to 60 ° C. If the device is switched off, it can already handle temperatures between -40 ° C and 80 ° C. In addition, the durable PanelPC is perfect for rooms with increased humidity, ensuring proper functioning even in the case of 93% relative humidity.

Work temp.	-10°C to 60°C
Storage temp.	-40°C to 80°C
Humidity	93%

Communication

WIRED LAN NETWORK

Panel PC have built-in two Intel i211 Gigabit Ethernet NIC. They can work in gigabit network.

Standard	IEEE 802.3ab - 1000Base-T
Speed	1Gb/s

TRADE AND **SERVICES**

Waterproof and dustproof PC Panel is widely used primarily in the commercial industry, for example for controlling the sales system, displaying product information on monitors or advertising on large screens. With the VESA holder in the housing there are many possibilities for its assembly, eg in stores (at the cash register) in factory halls, in a car delivering products, etc. It will certainly be used in all types of retail chains.

WAREHOUSE AND **MANAGEMENT**

The industrial panel computer thanks to the RS232 interface can be used to connect many devices in the warehouse and facilitate their control. And its rugged housing is ideally suited to the harsh conditions prevailing in such rooms. No dust or dirt will prevent him from working, he will work without complaints even in a large dusty and dirty environment.

TRANSPORT AND **MOTORIZATION**

Panel computers can be used in transport by adapting it to work on 12V power supply. Then Panel PC can be used in passenger cars, buses, trams, taxis, trains and even in airplanes. Thanks to the integrated monitor, these

panels perform very well in vehicles where mobility and the small size of the device are important.