Mobitouch 101A-LF v.6 - (IP65 on front panel) Multi-purpose panel (Android 12) for industrial use with 128GB eMMC, 125 kHz RFID and 1D/2D scanner

TOUCH SCREEN

RFID

WiFi®

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Screen size:	10.1 inch
Resolution:	800x1280
Aspect ratio:	16:10
Touchscreen:	**Capacitive**
Chipset:	AMD
CPU Support:	RK3568
Installed CPU:	RK3568
Memory Support:	DDR4
Installed Memory:	8GB
Graphic Card:	Integrated graphics Intel HD Graphics
Audio:	Yes
Storage (HDD) Support:	eMMC
Installed Storage (HDD):	256GB eMMC

CD/DVD Drive:	No
LAN:	1xRealtek RTL 8111E Gigabit Ethernet
Wireless LAN card:	Yes
Bluetooth:	Yes
3G:	Yes
4G LTE:	**Yes**
GPS:	No
TV Tuner:	No
Watch Dog Timer:	Tak
Ports - front panel:	-----
Ports - rear panel:	Phoenix terminal	RS232	2xUSB 3.0	RJ-45 LAN	HDMI	UBOOT	SIM	TF	DC
Ports - left panel:	-----
Ports - right panel:	-----
Power:	DC-12V
Supported OS:	Android 12
Installed OS:	Android 12
Dimensions:	261.4 x 185.4 x 53 mm
Weight:	1.5kg
Expansion:	2x speaker	Camera HD
Fanless:	Yes
Humidity:	5% - 95% Non-Condensing
Temp:	-10 °C to 60 °C
Storage Temp:	-20 °C to 70 °C
IP Norm:	-----
IP Level (back panel):	-----
IP Level (front panel):	IP65
Dual display:	Yes
Response time touch-panel (ms):	7-30 ms

Contrast Ratio:	1000:1
Brightness:	300 cd/m2
Viewing Angle:	85/85/85/85(L/R/U/D)
Backlight MTBF:	Yes
Color Resolution:	16,7M
Surface hardness (display):	7H
Touch Life(contacts):	60000-70000
Housing material:	Aluminium
Mounting VESA:	75 x 75 mm | 100 x 100 mm
Folding Bracket (for office type working):	Option
Power Consumption:	20-30 w
Others:	Color: Silver
Anti-vibration:	----
Anti-shock:	----
RFID scanner (reader):	LF (125 kHz) + HF (13,56 MHz - ISO14443A/B)
Barcode reader:	EM-23 FUIJAN

2 621,38 zł
net price: 2 131,20 zł

SPECIFICATION AND PARAMETERS

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 cooling

The housing with notches used in the panel ensures good air exchange inside the device

SSD Quick start

A modern eMMC drive will increase the speed of applications and programs and ensure quiet computer operation.

Efficient

The quad-core
RK3568
improvesthe&device's
performance.

Bright Screen

The display with 300 cd/ m² brightness makes the picture much more vivid and better readable when used outside in the sun.

Wireless network

The panel can be connected to nearby wireless networks by equipping it with a Wi-Fi module

Capacitive screen

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

Specifications and parameters

Performance	
Processor	RK3568 (4x 2.0 GHz)
Graphics card	Integrated Intel HD Graphics
Operating system	Android 12

Performance	
RAM	8GB
Drive	256GB eMMC

Display	
Screen	10.1" 800x1280
Touch screen	Capacitive
Brightness	300cd/m²
Screen ratio	16:9
View angle	85/85/85/85(L/R/U/D)

Interfaces	
Communication	WiFi	Bluetooth	4G
Connectors	Phoenix terminal	RS232	2xUSB 3.0	RJ-45 LAN	HDMI	UBOOT	SIM	TF	DC
2D SCANNER	EM-23 FUIJAN
RFID	LF 125 kHz + HF 13,56 MHz

Other	
Dimensions	261.4 x 185.4 x 53 mm
Weight	1.5 kg
Casing material	Aluminium

ⓘ Detailed device specification is available in the "Technical data".

The industrial PC panel uses an efficient and energy-saving RK3568 (4x 2.0 GHz) . 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.

ⓘ More photos in full resolution available in the "Gallery" ·

NPU

A special type of chip designed to handle artificial intelligence tasks. It allows a device to recognize images, voice, or text more quickly, while also operating more efficiently and saving energy. The NPU enables the use of smart features without delays, which translates into a more convenient and modern everyday user experience.

Display and touch

Amplified, metal industrial computer Mobitouch 101A-LF+2D has a water-resistant and scratch-proof 10.1" LED screen 800x1280 resolution offers good

image quality, and high brightness in the 300 cd/m² range gives better color saturation and contrast and allows significantly improved visibility even in the case of incident The display of the resistive type provides the user with a clear image and ease of use by touch.

CAPACITIVE SCREEN

The capacitive screen consists of a glass coating that is covered with an insulator. Touching the surface of the touch pad with your finger causes a disturbance in the flow of electric current. This display provides very good visibility under industrial conditions. The panel can be operated with one finger or conductive material (special glove). This type of screen provides support for multi-touch technology, which is a clear convenience during work. This is due to the fact that a large number of electrodes allows accurate detection of many points of touch. You do not have to use a stronger pressure for capacitive screens, because you only need to lightly brush the screen with your finger to make the device react.

QUALITY OF **MATERIALS**

The panel PC has a good-quality metal casing. It is an important element of the cooling system thanks to specially designed cutouts that facilitate air circulation inside the housing. The overall design of the device is focused on simplicity and functionality, appreciated among professionals, as an accessory the panel can be equipped with passive cooling.

EXTREME **TEMPERATURES**

PanelPC Mobitouch 101A-LF+2D is designed for continuous operation both at very low and high temperatures in the range from -10 ° C to 60 ° C. If the device is turned off, it can handle temperatures ranging from -20 ° C to 70 ° C. In addition, the durable PanelPC is perfect for rooms with increased humidity, ensuring proper functioning even in the case of 95% relative air humidity. It is also possible to purchase additional fanless cooling.

Work temp.	-10°C do 60°C
Storage temp.	-20°C do 70°C
Humidity	5% - 95% Non-Condensing

Communication and connectors

WIRELESS WI-FI NETWORK

The dual-band Wi-Fi module provides quick access to the network wherever you can connect to secured or open Wi-Fi networks. This is a convenient solution for people who have a router at home or place of residence and a wireless network that can be used at no extra charge. The shockproof industrial panel Mobitouch 101A-LF+2D has been equipped with standards - 802.11n, which allows transfer of files at a dizzying speed of up to 150 Mb/s.

Standards	802.11a/b/g/n
Frequencies	2.4GHz

BLUETOOTH COMMUNICATION

Bluetooth enables short-range wireless communication between various electronic devices, such as keyboard computer, laptop, PDA, mobile phone and many others. In the fourth version of standard, energy consumption was significantly reduced transfer and the real range of operation was increased
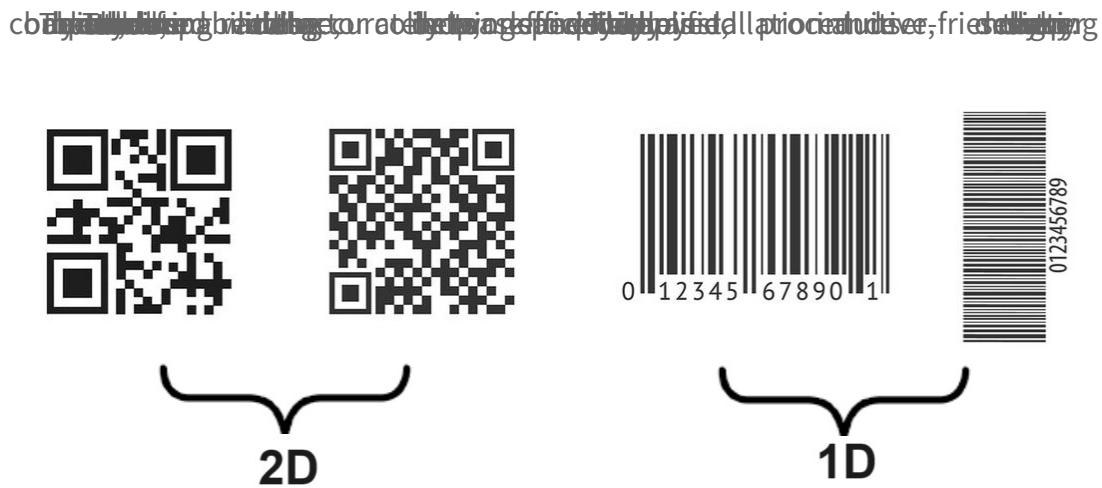

4G

4G technology is based on a radio network with high-speed transmission and a low incidence of do
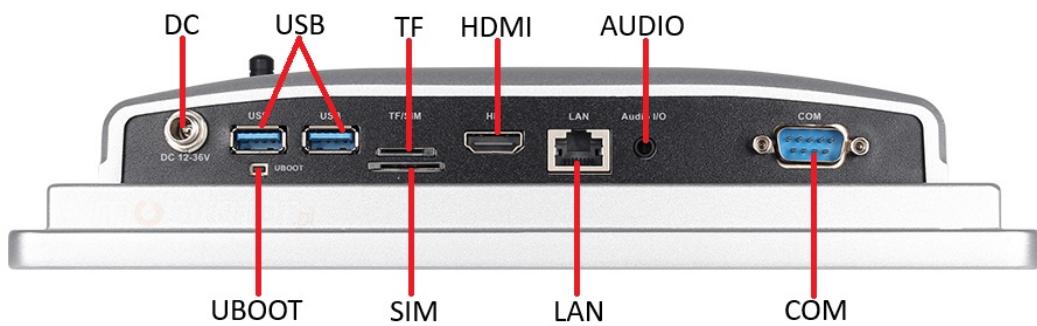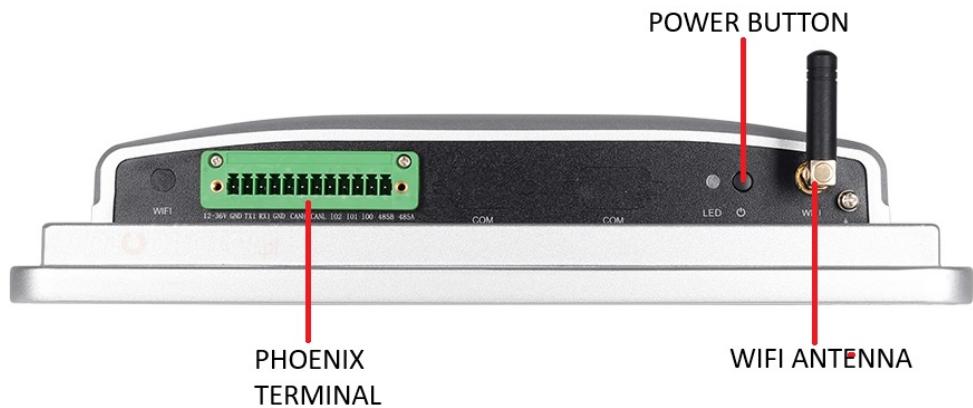

RFID READER

RFID is a technology used to identify objects and control the flow of products. Reading information
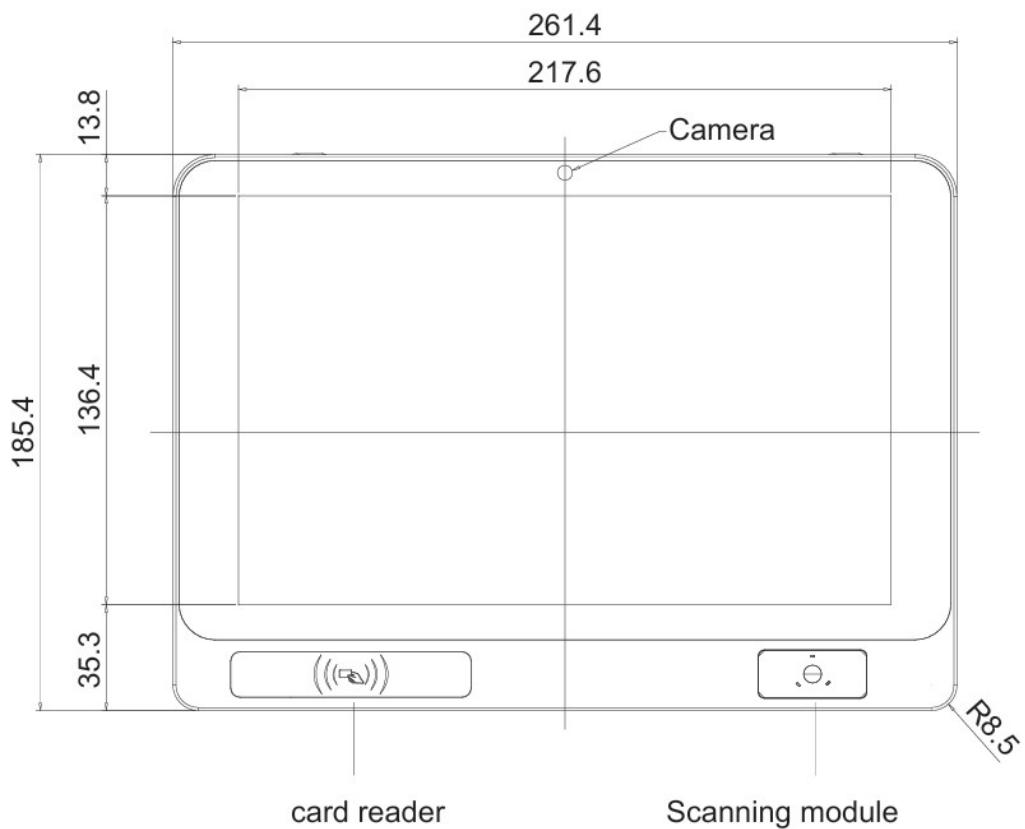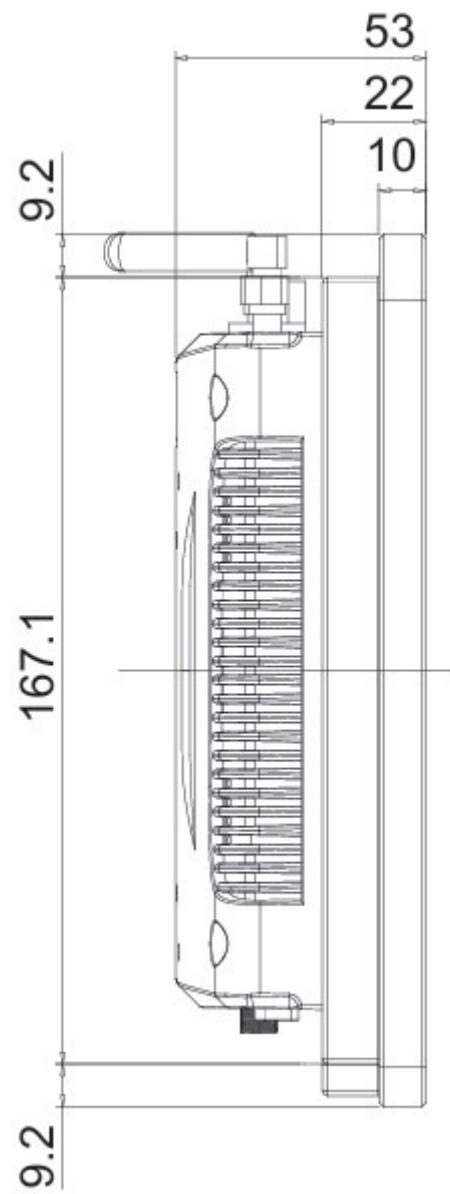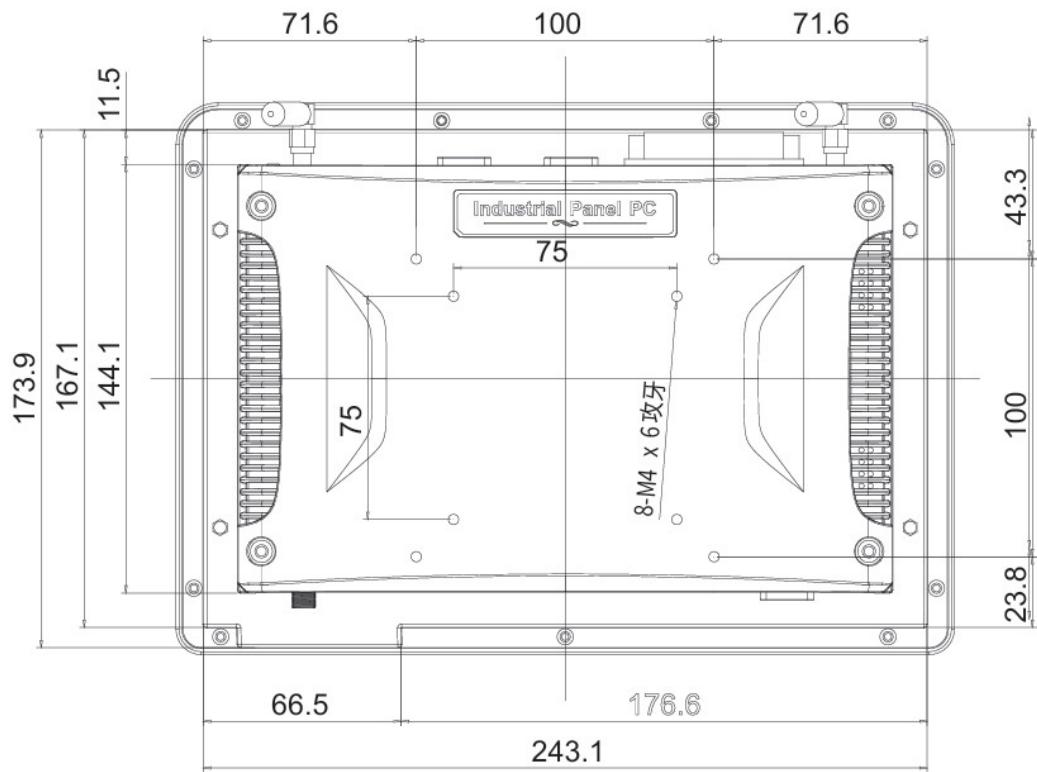
CODE SCANNER

2D

1D

CONNECTORS AND INTERFACES

DC   USB   TF   HDMI   AUDIO

DC 12-36V   USB   TF/SIM   HDMI   LAN   Audio I/O   COM

UBOOT   SIM   LAN   COM

POWER BUTTON

PHOENIX
TERMINAL

WIFI ANTENNA

WIFI   12-36V GND TX1 RX1 GND CANH CANL IO2 IO1 IO0 485B -485A   COM   COM   LED ⏻   WIFI

DIMENSIONS

261.4

217.6

13.8

Camera

185.4

136.4

35.3

R8.5

card reader

Scanning module
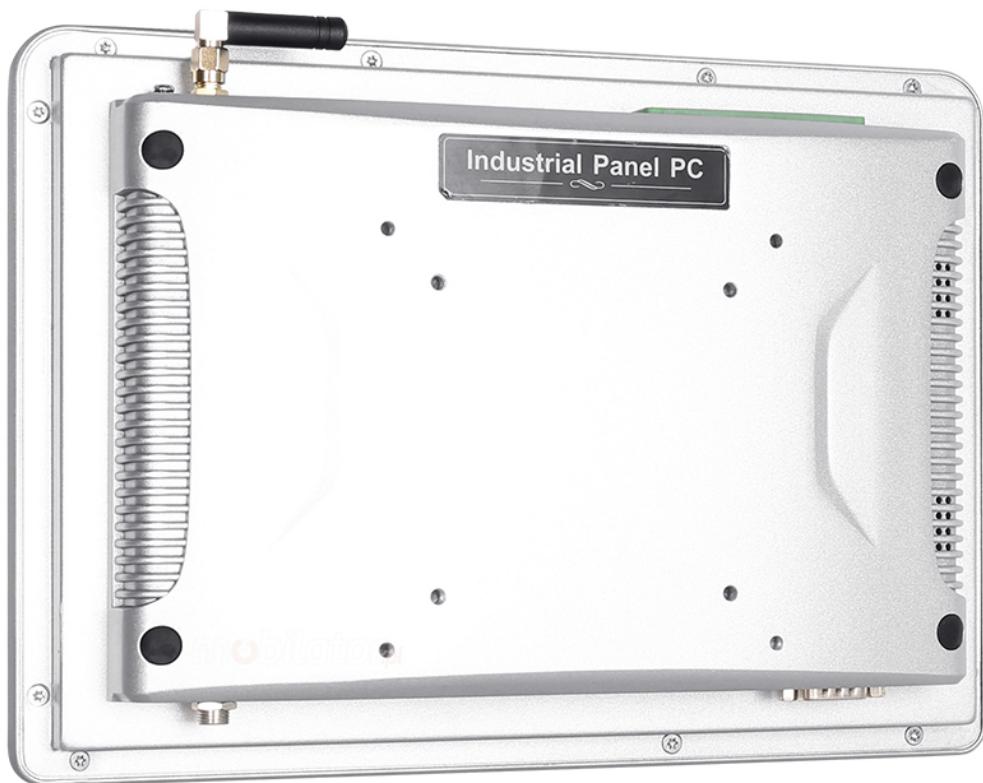
Application

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.

Available versions and accessories

Industrial Panel PC Mobitouch 101A-LF+2D is offered in several versions adapted to different needs. By clicking on the number of the hardware configuration you will be redirected to the product with the parameters given in the table below. In addition, it is possible to create a configuration that is currently unavailable on the customer's request.

	v.1	v.2	v.3	v.4	v.5.	v.6	v.7	v.8	v.9	v.10
Screen beztouch		—	—	—	—	—	—	—	—	—
Capacitive screen	—						—	—	—	—
Screen rezystywny	—	—								
4GB RAM				—	—	—	—	—	—	—
8GB RAM	—	—	—			—				

64GB eMMC				—	—	—	—	—	—
128GB eMMC	—	—	—	—	—	—		—	—
256GB eMMC	—	—	—	—			—	—	
4G	—	—	—	—	—		—	—	—
RFID LF 125kHz									
Scanner 2D									