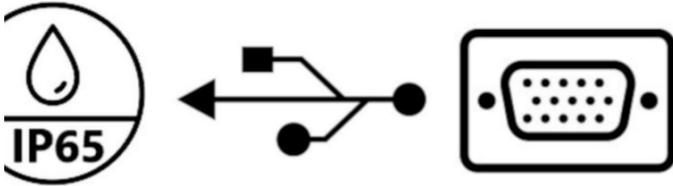## BiBox 133-I58 v.1 - Resistant panel computer 13.3 inch Full HD, Intel Core i5-8250U, 8GB RAM, 128GB SSD, IP65 front, RS232 x2, 2x LAN - For industrial automation and HMI

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Supported OS:	Windows
Installed OS:	Windows 10 test version(optional - licensed SYSTEM)
Screen size:	13.3 inch
Resolution:	1920x1080
Aspect ratio:	16:9
Brightness:	250 NIT
Chipset:	---
CPU Support:	---
Installed CPU:	Intel core i5-8250U Fanless
Graphic Card:	CPU Integrated graphics HD Graphicssupport 1080p HD photo quality
Storage (HDD) Support:	SSD
Installed Storage (HDD):	Dysk SSD 128 GB
Memory Support:	DDR4

Installed Memory:	8GB
Touchscreen:	Capacitive
IP Norm:	65
IP Level (front panel):	IP65
IP Level (back panel):	-----
Temp:	-10 °C to 60 °C
Storage Temp:	-20 °C to 70 °C
Humidity:	5% - 95% Non-Condensing
Anti-shock:	----
Anti-vibration:	5-500Hz,0.026G^2/Hz,2.16Grms,X,Y,Z1 hour per axis
Others:	---
LAN:	2 ports
Wireless LAN card:	---
3G:	2x Mini-PCIE expansion slotsupport WIFI/3G/4G/MSTA/GPS
4G LTE:	Optional
Bluetooth:	Optional
GPS:	2x Mini-PCIE expansion slotsupport WIFI/3G/4G/MSTA/GPS
Ports - rear panel:	Ports | USBx4 | HDMIx1 | VGAx0 | LANx2 | EARx1 | RS232x2 | MICx1 | Power DC12V
Ports - front panel:	-----
Ports - left panel:	-----
Ports - right panel:	-----
Expansion:	---
Power:	Power DC12V
Power Consumption:	Power consumption: ≤60W
Watch Dog Timer:	---
Mounting VESA:	100 x 100 mm
Folding Bracket (for office type working):	-----
CD/DVD Drive:	No

Audio:	Realtek ALC662 | High Definition Audio (HD)Line in | Line out
TV Tuner:	No
Backlight MTBF:	---
Contrast Ratio:	1000:1
Dual display:	HDMI
Viewing Angle:	85°/85°/80°/80°(R/L/U/D)
Touch Life(contacts):	---
Surface hardness (display):	---
Color Resolution:	---
Response time touch-panel (ms):	8 ms
Housing material:	---
Dimensions:	343.20 x 214.80 x 51.80 mm
Fanless:	Yes
Weight:	3.7kg

2 589,72 zł
net price: 2 105,46 zł

BiBox 133-I58

CERTIFICATES

SPECIFICATION

RESISTANCE

COMMUNICATIONS AND CONNECTIONS

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The BiBox 133-I58 Computer Panel is a rugged, multifunctional command center. It combines the full power of a desktop computer with an intuitive touchscreen. Designed to operate reliably in the harshest industrial environments, including extreme temperatures, humidity, dust, and water. It ensures maximum performance and operational stability regardless of the environment.

CERTIFICATES

World-class certification is an integral part of the BiBox 133-I58 computer panel, which has successfully passed the necessary tests and holds key certifications: CE, FCC, and RoHS. This demonstrates the device's full compliance with global legal and technical requirements. The CE certification certifies its safety and compliance with European Union directives, while the FCC guarantees that the device does not generate electromagnetic interference. Furthermore, the RoHS marking confirms that the components are free of harmful substances. This comprehensive certification guarantees the manufacturer that the product meets rigorous quality and environmental standards, offering users not only performance but also complete operational safety.

SPECIFICATION

BiBox 133-I58 v.1

Certifications	CE | FCC | RoHS
Network	1×Realtek RTL 8111E Gigabit Ethernet controller
Processor	Intel core i5-8250U Fanless
Graphics	CPU Integrated graphics HD Graphics and support 1080p HD photo quality
Operating system	Windows 10 test version (optional - licensed SYSTEM)
Memory	8GB RAM + 128GB SSD
Display	13.3" (1920x1080)
Touch screen	Capacitive
Viewangle	85°/85°/80°/80° (R/L/U/D)
Protection	IP65 (front panel)
Communication	2x Mini-PCIE expansion slot support WIFI/3G/4G/MSTA/GPS
Connectors	1x MIC | 4x USB | 2x LAN | 1x EAR 1x HDMI | Power DC12V | 2x RS232

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

The heart of the BiBox 133-I58 panel computer system is the powerful and energy-efficient Intel Core i5-8250U processor, designed with industrial reliability in mind. Equipped with four cores and eight threads, it guarantees high multitasking performance, eliminating the risk of slowdowns. Furthermore, the processor's large cache memory allows for rapid access to

frequently used data, ensuring smooth operation of even the most demanding industrial applications.

Dimensions
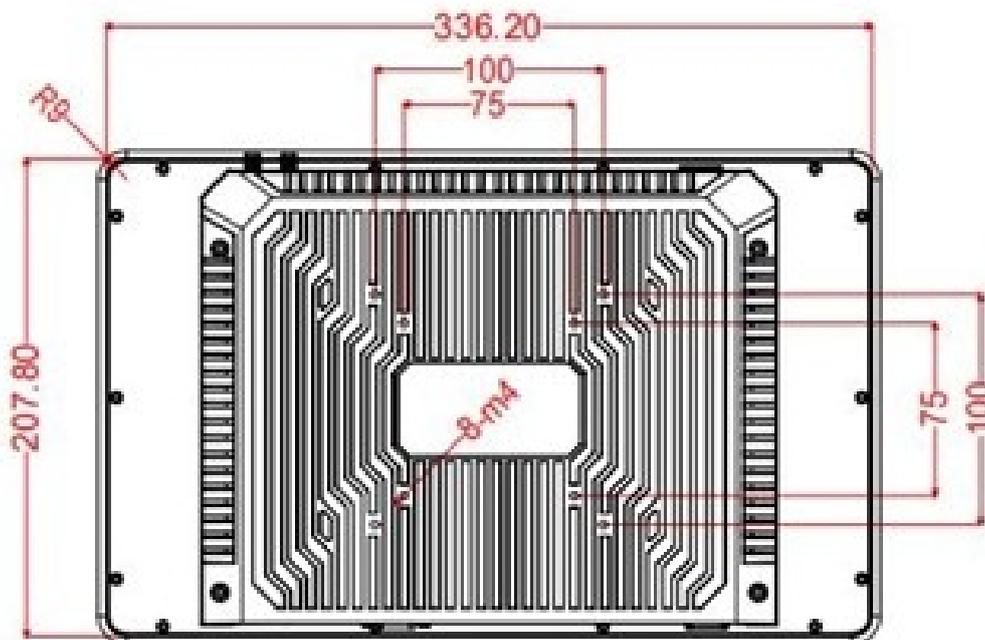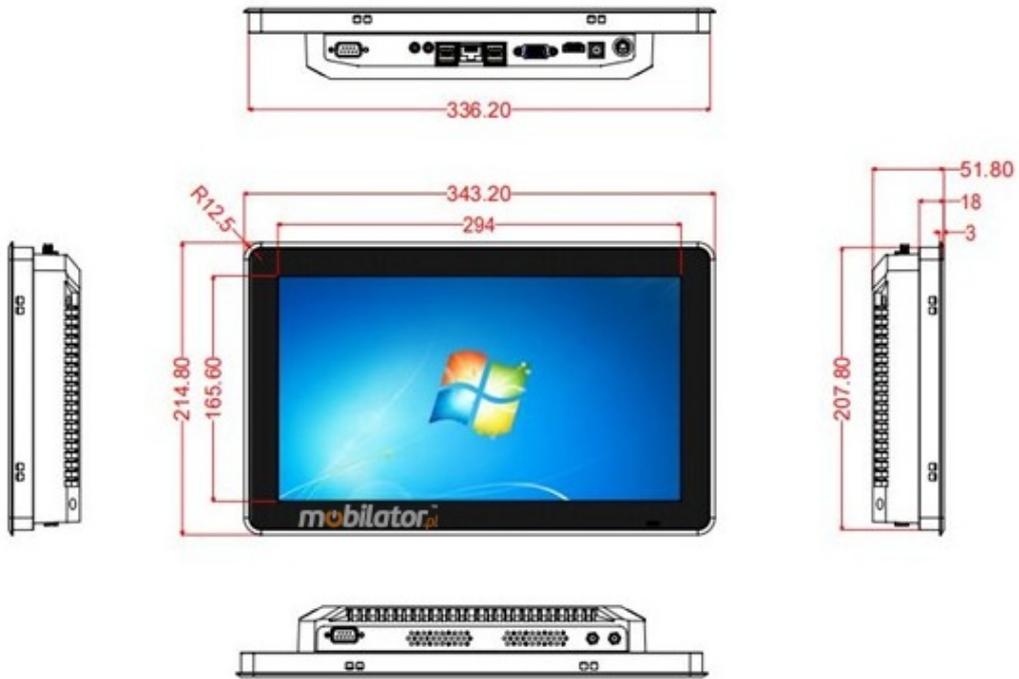
The BiBox 133-I58 panel computer measures 343.20 x 214.80 x 51.80 mm. Its compact, flat housing is designed to fit perfectly into control cabinets and confined industrial spaces. The device is packaged in cartons containing two panel PCs. The total gross weight (GW) of one such package is approximately 9 kg. Included accessories for these two devices include power adapters and Wi-Fi antennas.

Dimensions	343.20 x 214.80 x 51.80 mm

up…

menu…

Capacitive screen

A capacitive screen detects touch by changing the electrostatic field created when you touch the screen with your finger. Unlike resistive technology, it doesn't require any physical pressure. This makes operation precise and fluid, with the screen responding to even the lightest touches. This technology also supports multitouch, allowing for simultaneous recognition of multiple touch points, enabling gestures such as zooming or rotating.

Aluminium Bezel Style

ALUMINIUM BEZEL STYLE

Aluminum Bezel Style is a solution in which the screen frame is made of aluminum or finished with this material. This gives the device an immediate, premium look and significantly increases the feeling of solidity. Aluminum, being a more durable and rigid material than plastic, provides better protection against scratches and damage. Furthermore, in addition to its aesthetic appeal, this metal dissipates heat more effectively while maintaining the device's slim profile without compromising structural strength.

*At the customer's request, it is possible to order the BiBox 133-I58 device in the Aluminum Bezel Style version. Click on the configurator at the top of the page to go to the product settings.

The BiBox 133-I58 is a durable panel computer designed for efficient outdoor use. Its screen boasts a brightness level of 250 nits, which is crucial for excellent readability in shaded areas or in moderate sunlight. This

optimization makes operating and monitoring data comfortable and hassle-free, regardless of lighting conditions.
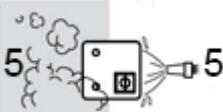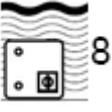
RESISTANCE

IP65

The IP65 standard means that the device's housing provides complete protection against dust ingress. It is also resistant to water jets from any direction. This makes it an ideal solution for use in harsh environments where the equipment is exposed to external factors but not immersed in water.

Firts digit	Protection level	Second digit

No special protection	0	0	No special protection
Protection from solid objects greater than 50mm in diameter	1	1	Protection from dripping water
Protection from object not greater than 12mm in diameter	2	2	Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter	3	3	Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter	4	4	Protection from splashed water
Complete protection against contact, Protection against dust deposit	5	5	Protection from water projected from a nozzle
Complete protectionm against contact, protection from infiltration of dust	6	6	Protection against heavy seas, or powerful jets of water

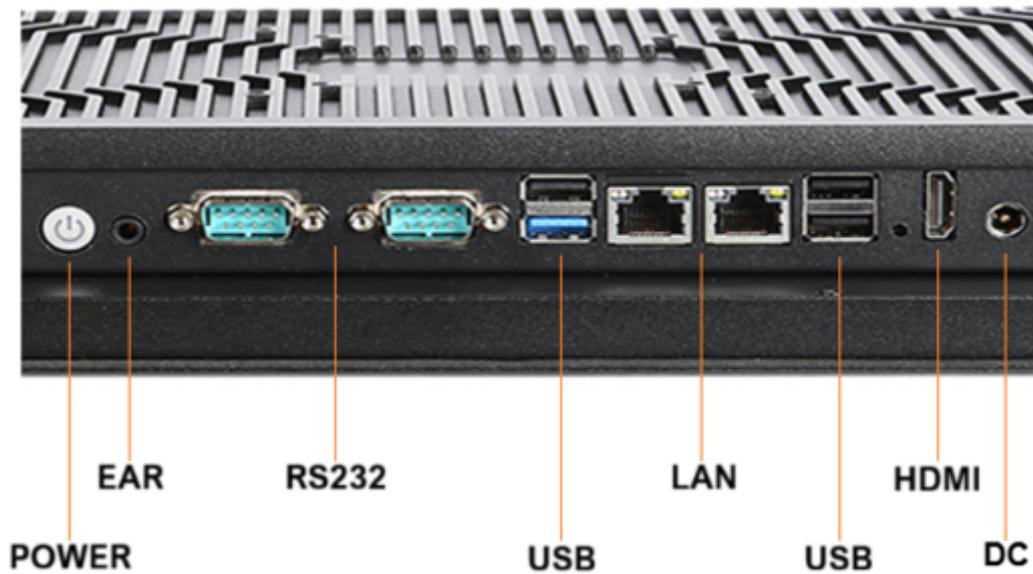|		
	7	Protection against immersion
	8	Protection against complete, continuous submersion in water

The BiBox 133-I58 is designed to operate in the harshest environments. Its rugged construction allows for reliable operation across a wide temperature range of -10°C to 60°C, as well as high relative humidity environments of up to 95% (non-condensing). This thermal durability also extends to storage, which is safe from -20°C to 70°C, providing flexibility in logistics and warehousing.

Working Temp.	-10°C do 60°C
Storage Temp.	-20°C do 70°C
Humidity	5% do 95%

COMMUNICATIONS AND CONNECTIONS

EAR RS232 LAN HDMI

POWER USB USB DC

Communication

The device features a two Mini-PCIe expansion slot, which serves as a universal port for installing additional modules. This slot can accommodate, for example, a Wi-Fi card for wireless internet connection, a 3G/4G module for cellular connectivity, or an mSATA drive for memory expansion. This feature allows the device to be easily customized to meet specific needs and applications.

Ports

The BiBox 133-I58 offers a wide range of connections for maximum functionality in industrial environments. Connectivity includes four USB ports, an HDMI video output, and two LAN ports for stable network communication. Two RS-232 serial ports are crucial for system integration. The device also features full audio support, with a dedicated microphone input (MICx1) and headphone output (EARx1). Power is supplied via 12V DC, and the design eliminates the legacy VGA port.

Trade and Services

The BiBox 133-I58 Panel PC is an exceptionally versatile tool that performs well in both intensive industrial environments and the retail sector. Designed for centralized system control, the efficient display of detailed information (e.g., about products or production line status), and the dynamic presentation of content, including advertising, the device's true strength lies in its installation flexibility: thanks to full VESA compatibility, the panel can be quickly and securely mounted in almost any location. Regardless of the application—whether it's a cash register terminal, a process monitoring point on the factory floor, or a fleet management component for delivery vehicles—the BiBox 133-I58 guarantees reliability, perfectly suited to any demanding operational network.

Specialized panel computers are synonymous with reliability in the harshest operating environments. Their reinforced enclosures, certified to the IP65 standard, provide complete resistance to dust and powerful water jets. This makes devices like the BiBox 133-I58 the ideal choice for applications where traditional equipment would quickly deteriorate – from demanding construction sites, to dynamic logistics centers, to intensive production lines. This durability allows you to rely on your equipment without fear of damage.

This reliable panel computer was created to accelerate warehouse operations. Equipped with RS-232 interfaces, it enables centralized device control, making management simple and efficient. Furthermore, its durable construction is fully resistant to industrial factors such as dust and dirt. This ensures stable and reliable operation even in the harshest and most polluted production environments.

ACCESSORIES AND AVAILABLE VERSIONS

The BiBox 133-I58 heavy-duty panel PC is available in several versions tailored to different needs. Clicking on the hardware configuration number will redirect you to the product with the parameters listed in the table below. Furthermore, upon request, we can create a configuration not currently available.

> ⓘ More photos in full resolution available in the "Gallery".

	v.1	v.2	v.3	v.4	v.5	v.6	v.7	v.8
Windows 11 PRO	—		—	—				
1000 NIT	—	—	—		—		—	
8GB + 128GB			—	—	—	—	—	—
8GB + 256GB	—	—					—	—
16GB + 512GB	—	—	—	—	—	—		
4G	—	—	—	—	—		—	—
WiFi 6	—	—	—	—	—		—	—