BiBox 270-I58 v.7 - 27-inch panel computer 300 nits, Intel i5-8250U, 16GB RAM, 512GB SSD, dual RS232, 2x LAN RJ45, Windows 11 PRO - for queue systems and office terminals

Category:	Industrial Panel PC Computers
Manufacturer:	Mobilator
Screen size:	27 inch
Resolution:	1920x1080
Aspect ratio:	16:9
Touchscreen:	Capacitive
Chipset:	---
CPU Support:	---
Installed CPU:	Intel core i5-8250U Fanless
Memory Support:	DDR4
Installed Memory:	**16GB**
Graphic Card:	CPU Integrated graphics HD Graphicssupport 1080p HD photo quality
Audio:	Realtek ALC662	High Definition Audio (HD)Line in	Line out
Storage (HDD) Support:	SSD
Installed Storage (HDD):	**Dysk SSD 512 GB**
CD/DVD Drive:	No

LAN:	2 ports
Wireless LAN card:	---
Bluetooth:	Yes
3G:	2x Mini-PCIE expansion slotsupport WIFI/3G/4G/MSTA/GPS
4G LTE:	Optional
GPS:	2x Mini-PCIE expansion slotsupport WIFI/3G/4G/MSTA/GPS
TV Tuner:	No
Watch Dog Timer:	---
Ports - front panel:	-----
Ports - rear panel:	Ports | USBx4 | HDMIx1 | VGAx0 | LANx2 | EARx1 | RS232x2 | MICx1 | Power:AC110-240V
Ports - left panel:	-----
Ports - right panel:	-----
Power:	Power DC12V
Supported OS:	Windows
Installed OS:	**Windows 11 PRO**
Dimensions:	653 x 391.20 x 52 mm
Weight:	11.4kg
Expansion:	---
Fanless:	Yes
Humidity:	5% - 95% Non-Condensing
Temp:	-10 °C to 60 °C
Storage Temp:	-20 °C to 70 °C
IP Norm:	65 front
IP Level (back panel):	-----
IP Level (front panel):	IP65
Dual display:	---
Response time touch-panel (ms):	8 ms
Contrast Ratio:	1000:1

Brightness:	300 NIT
Viewing Angle:	89°/89°/89°/89°(R/L/U/D)
Backlight MTBF:	---
Color Resolution:	---
Surface hardness (display):	---
Touch Life(contacts):	---
Housing material:	---
Mounting VESA:	100 x 100 mm | 75 x 75 mm
Folding Bracket (for office type working):	-----
Power Consumption:	Power consumption ≤ 100W
Others:	WiFi (standard)
Anti-vibration:	5-500Hz,0.026G^2/Hz,2.16Grms,X,Y,Z1 hour per axis
Anti-shock:	----
RFID scanner (reader):	---
Barcode reader:	---

962,84 €
net price: 782,80 €

BiBox 270-I58

CERTIFICATES

SPECIFICATION

RESISTANCE

WIRELESS COMMUNICATION

APPLICATION

ACCESSORIES AND AVAILABLE VERSIONS

The BiBox 270-I58 Panel Computer is a technologically advanced industrial panel computer designed for uncompromising operation in the harshest conditions. Its robust construction and seals guarantee protection against the ingress of dust, water, and other contaminants. Designed to operate reliably in the harshest industrial environments: extreme temperatures, humidity, dust, and contact with water. Thanks to the use of industrial components, the BiBox 270-I58 maintains full computing power and operational stability even under continuous, intensive use. It ensures maximum efficiency and operational stability regardless of the environment. As a result, it is an ideal solution for monitoring and controlling processes in factories, warehouses,

and production lines.

Advanced, world-class certification underpins the reliability of the BiBox 270-I58 panel, confirming its readiness for use in any company. The device has successfully passed the necessary tests and holds key certifications: CE, FCC, and RoHS. This demonstrates 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, which is crucial for system stability. Furthermore, the RoHS marking confirms that the components are free of harmful substances, protecting the environment. 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 270-I58 v.7	
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 11 PRO
Memory	16GB RAM + 512GB SSD
Display	27" (1920x1080)
Touch screen	Capacitive
Viewangle	89°/89°/89°/89° (R/L/U/D)
Protection	IP65 (front panel)
Communication	WiFi (standard) | BT 2x Mini-PCIE expansion slot support WIFI/3G/4G/MSTA/GPS
Connectors	USBx4 | HDMIx1 | VGAx0 | LANx2 EARx1 | RS232x2 | MICx1 | AC110-240V

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

The BiBox 270-I58 rugged industrial tablet is powered by an Intel Core i5-

8250U processor, specifically designed for uncompromising performance and stability in industrial environments. Equipped with four cores and eight threads, it guarantees high multitasking performance, eliminating the risk of slowdowns. Furthermore, the processor's large cache allows for quick access to frequently used data, ensuring smooth operation of even the most demanding industrial applications.
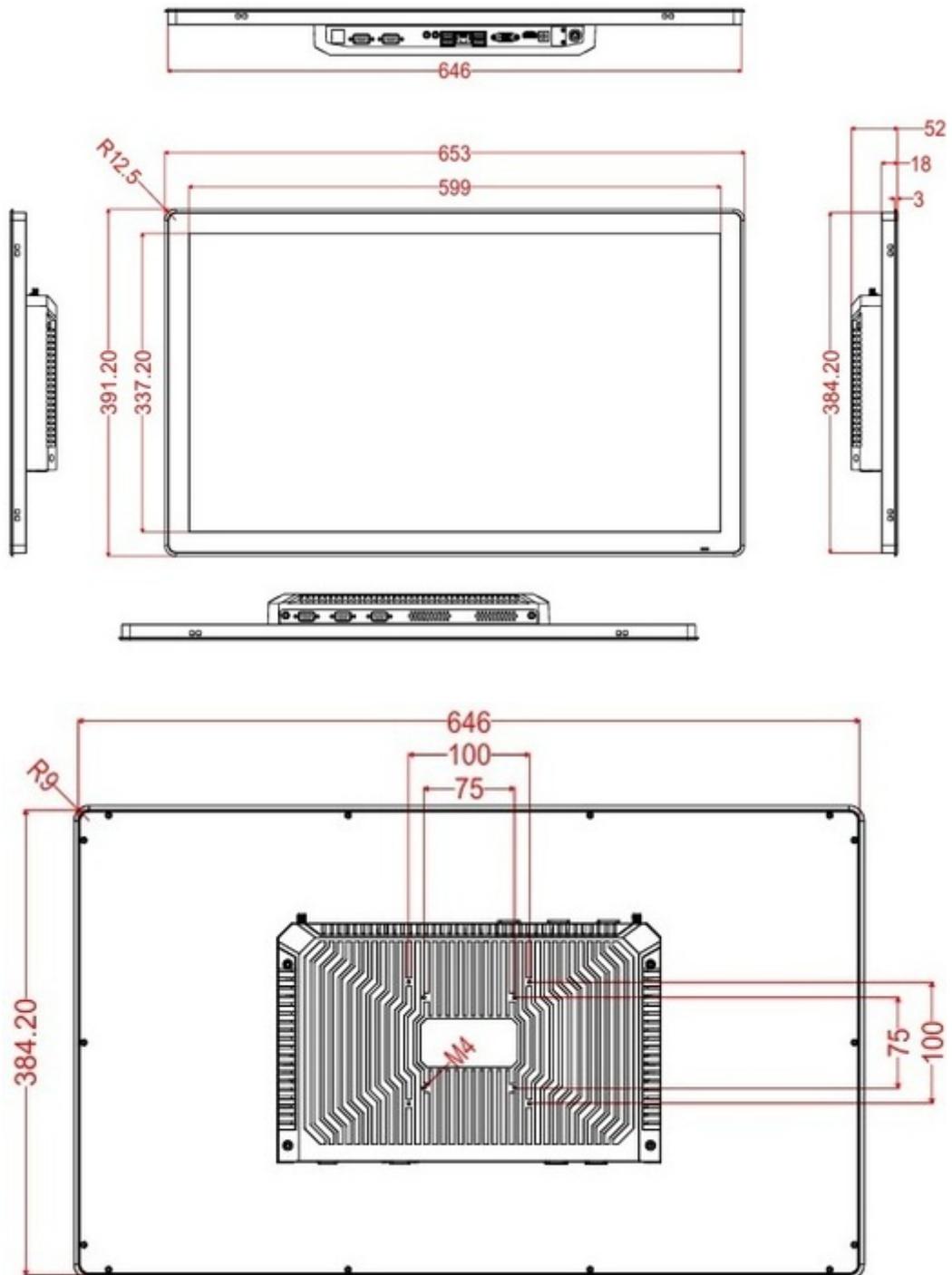
up...

Dimensions

The BiBox 270-I58 Panel Computer System features a robust design measuring 653 x 391.2 x 52 mm. This profile is designed to fit perfectly into control cabinets and maximize the use of limited industrial spaces. The unit is shipped in multipacks, with one box containing two panel PCs, and the total gross weight of the package is approximately 23 kg. Included accessories for these two units include essential components for immediate startup: power adapters and Wi-Fi antennas.

Dimensions	653 x 391.2 x 52 mm

up…

Capacitive screen

A capacitive screen detects touch through a subtle change in the electrostatic field generated by contact with a finger or a special stylus. Unlike older resistive technology, this requires no physical pressure, making operation exceptionally precise and fluid, responding to the lightest touches. A key advantage of this technology is also support for multitouch, allowing simultaneous recognition of multiple touch points. This enables advanced gestures (e.g., zooming, rotating) crucial for modern industrial interfaces.

Aluminium Bezel Style

ALUMINIUM BEZEL STYLE

The Aluminum Bezel Style frames the screen with aluminum, giving the device a premium look and enhancing durability. Being more durable and rigid than plastic, aluminum provides better protection against damage and dissipates heat more efficiently, maintaining a slim profile.

*At the customer's request, it is possible to order the BiBox 270-I58 device in the Aluminum Bezel Style version. Click on the configurator at the top of the page to go to the product settings.

300-nits screen

The BiBox 270-I58 is a durable panel computer designed for use in any environment. Its 300-nit screen provides excellent readability and comfortable operation in shaded areas or in moderate sunlight.
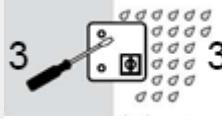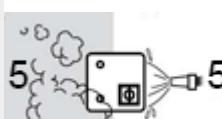
RESISTANCE

IP65 - FRONT

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

First digit	Protection level	Second digit
Protection from solid objects greater than 50mm in diameter		Protection from dripping water
Protection from object not greater than 12mm in diameter		Protection from vertically dripping water (tilted up to 15°)
Protection from object not greater than 2,5mm in diameter		Protection from sprayed water (tilted up to 60°)
Protection from object not greater than 1mm in diameter		Protection from splashed water
Complete protection against contact, Protection against dust deposit		Protection from water projected from a nozzle
Complete protectionm against contact, protection from infiltration of dust		Protection against heavy seas, or powerful jets of water

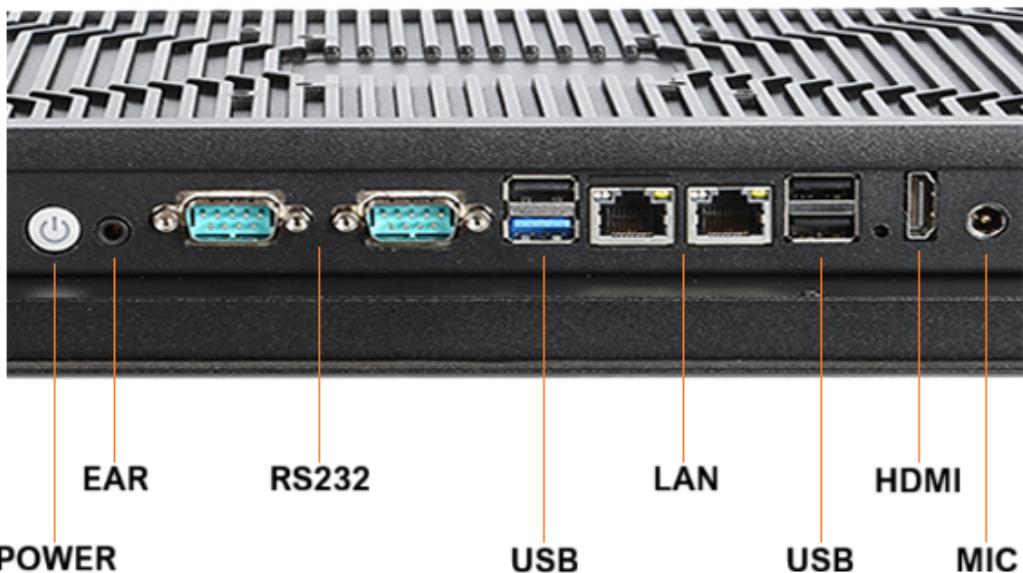| Firts digit	Protection level	Second digit
7	Protection against immersion	
8	Protection against complete, continuous submersion in water	

Extreme temperatures

Built for professionals, the BiBox 270-I58 tablet is ready for the harshest environments. Its rugged design allows for reliable operation in a wide temperature range from -10°C to 60°C, as well as in environments with high relative humidity up to 95% (non-condensing). This thermal durability also extends to storage, which is safe in temperatures 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 MIC

Communication

The modern BiBox 270-I58 industrial tablet is equipped with two Mini-PCIe expansion slots, a universal port for installing additional modules. You can install things like a WIFI 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

For versatile integration into industrial environments, the BiBox 270-I58 is equipped with a comprehensive set of interfaces. This modern unit provides maximum functionality with a variety of connections, including four USB ports, an HDMI output for image transmission, and two LAN ports for reliable network communication. Two RS-232 serial ports are crucial for automation systems. Furthermore, the device offers full audio support with a separate microphone input (MICx1) and headphone output (EARx1).

APPLICATION

The exceptional versatility of the BiBox 270-I58 Panel PC makes it suitable for use in industry and commerce. It's ideal for centralized system control, efficient display of detailed information (e.g., production line status, product data), and dynamic content presentation. The panel is ideal as a checkout terminal, factory control point, or component of a fleet management system, ensuring reliability in any operational network.

Industry and Construction

The BiBox 270-I58 is a specialized panel PC designed for the harshest operating conditions. Its rugged, IP65-rated housing provides complete

resistance to dust and powerful water jets. This is an ideal solution for environments susceptible to damage from traditional equipment, including construction sites, logistics centers, and production lines. Ensure durability and reliability while eliminating the risk of costly equipment failures.

<div style="text-align:center">

Warehouse

</div>

Designed to accelerate warehouse operations, this panel computer offers centralized control and easy device management thanks to RS-232, HDMI, and USB interfaces. Its durability and resistance to dust and dirt make it an ideal and reliable solution, ensuring stable operation even in the most polluted industrial environments.

up…

ACCESSORIES AND AVAILABLE VERSIONS

The durable BiBox 270-I58 Panel PC is designed for intensive use and is available in several ready-made configurations. To view detailed specifications and navigate to the product, click on the model number in the table below. We also provide custom configurations upon request.

	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	—	—	—	—	—		—	—