

## mBOX Q838GE



mBOX - Q838GE Barebone – Industrial MiniPC with powerful Intel Core i3 8130U Processor

**BAREBONE**  
**HDMI**

**USB**



<b>Category:</b>	MiniPC Industry
<b>Manufacturer:</b>	Mobikator
<b>Supported OS:</b>	Windows: 10   Linux
<b>Installed OS:</b>	-----
<b>Chipset:</b>	Intel Chipset
<b>CPU Support:</b>	Intel Core i3
<b>Installed CPU:</b>	Intel Core i3 8130U
<b>Graphic Card:</b>	Intel HD Graphics 620
<b>Memory Support:</b>	DDR4 (max 32GB)
<b>Installed Memory:</b>	<b>None</b> (Available in a different version)
<b>Storage (HDD) Support:</b>	SSD (SATA, M.2), HDD
<b>Installed Storage (HDD):</b>	<b>None</b> (Available in a different version)
<b>IP Norm:</b>	-----
<b>Temp:</b>	0°C – 50°C (SSD)
<b>Storage temperature:</b>	-20°C – 80°C (SSD)
<b>Humidity:</b>	10% ~ 90%
<b>Others:</b>	Color Black

<b>LAN:</b>	Intel I211AT Gigabit LAN  Intel I350 Gigabit LAN
<b>Wireless LAN card:</b>	<b>None</b> (Available in a different version)
<b>3G:</b>	-----
<b>4G LTE:</b>	-----
<b>Bluetooth:</b>	Yes
<b>Rear Panel (ports):</b>	8xLAN
<b>Front Panel (ports):</b>	4 x USB 3.0  2 x USB 2.0  1xCOM   1xHDMI  1xRS-232
<b>Expansion:</b>	-----
<b>Power:</b>	12V
<b>Watch Dog Timer:</b>	Yes
<b>CD/DVD Drive:</b>	-----
<b>TV Tuner:</b>	-----
<b>Dimensions:</b>	217x122x62mm
<b>Fanless:</b>	Yes
<b>Weight:</b>	2500g

**2 464,40 zł**

net price: 2 003,58 zł

# mBOX Q838GE



**BAREBONE**  
**HDMI™**

**USB**



SPECIFICATION

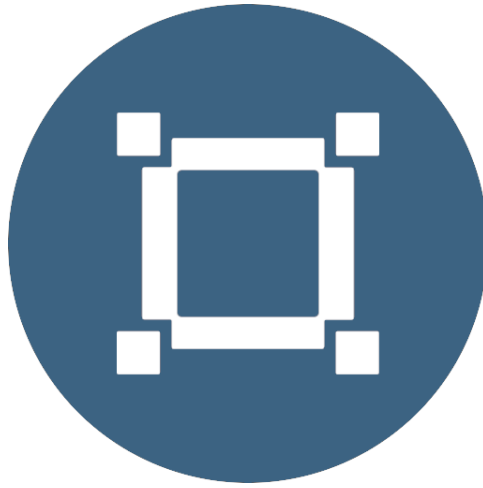
RESISTANCE AND DURABILITY

CONNECTIVITY AND COMMUNICATION

DEVICE APPLICATION

AVAILABLE VERSIONS

Small dimensions industrial computers excel in environments where dust, dirt and moisture predominate. They are ideal for applications requiring quiet operation. Small and reliable MiniPC use heat-pipe technology and aluminum fins for passive cooling. The robust mini Industrial Computer mBOX Q838GE is a device designed for all industrial and non-continuous applications requiring continuous operation - 24 hours, 7 days a week.



### Small dimensions

The compact casing makes the Mini PC fit wherever you need it and is easy to carry.



### Construction

The weight of the computer does not exceed 3.0 kg, so it can be mounted on various machines.



### Efficient components

The dual-core Intel Core 8130U CPU provides improved device performance.



### Wireless network

\*

The mini PC can be connected to nearby wireless networks thanks to equipping it with an optional Wi-Fi module.



### Quick start

\*

A modern SSD drive will increase the speed of application programs and ensure quiet operation of the computer.



### Passive cooling

The use of passive cooling in the Mini PC ensures silent operation and slows down dust deposition.

\* Optional equipment, available only in other versions of the device.

## SPECIFICATION

Mini-PC mBOX Q838GE	
Processor	Intel® Core i3 8130U (2x 2.0GHz)
Operation system	Support: Windows 10 Linux
RAM	None ( 4  8  16  32 GB DDR4) *
Drive	None (32  64  128  256   512 GB mSATA SSD) *
Graphic card	Intel® UHD 620
Connectivity	Intel I211AT Gigabit LAN  Intel I350 Gigabit LAN
Front panel	4 x USB 3.0  2 x USB 2.0  1xCOM   1xHDMI  1xRS-232
Rear panel	8xLAN
Available colors	Black
Dimensions	217x122x62mm
Weight	2.5 kg

\* Optional equipment, available only in other versions of the device.



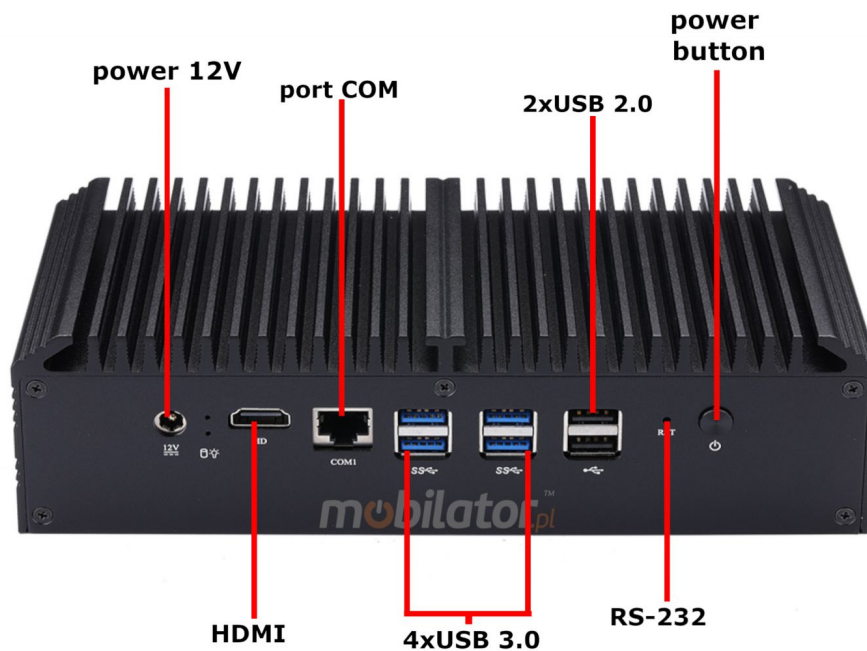
Detailed device specification is available in the "Technical data".

### Efficient processor

The industrial mini-computer mBOX Q838GE uses an efficient and energy-saving Intel Core i3 processor. Inside it there are four cooperating cores enabling more efficient processing of many tasks at the same time. The shared cache memory in which the multilevel hierarchy is used is dynamically allocated to each processor core depending on the load. This reduces the average access time to the main memory. It offers

improved manageability by limiting downtime and maintaining productivity by isolating computing activities into separate partitions.

## Interfaces



## Dimensions

Thanks to the small dimensions of the MiniPC, the mBOX Q838GE is versatile for use at home, in the office and in the industry, for example in the production hall. It's literally everywhere, and thanks to the VESA mount it can be mounted on the back of the monitor to optimize the job.



<b>Dimensions</b>	115 x 106 x 57mm
<b>Weight</b>	0.9 kg

Passive cooling

The industrial Mini PC uses a proven cooling system, based only on solid elements, mainly heat sinks. The system uses the phenomenon of metals passing thermal energy into the environment - there are no additional moving elements in the form of eg fans. This solution ensures noiseless operation, lower failure rate and greater protection against dust and other dirt while reducing the amount of energy consumed.

## RESISTANCE AND DURABILITY

### Temperatures

mBOX Q838GE is designed for continuous operation in both very low and high temperatures ranging from 0 ° C to 50 ° C (SSD). If the device is switched off, it can already handle temperatures in the range of -20 ° C to 80 ° C (SSD).

<b>Work temp.</b>	0°C do 50°C (SSD)
<b>Storage temp.</b>	-20°C do 80°C (SSD)
<b>Humidity</b>	10% do 90%

### Mechanical damage

The passive cooling system used in the MiniPC mBOX Q838GE

combined with the SSD disk makes this computer very resistant to various types of mechanical injuries. An additional advantage of industrial computers is a solid construction made of high quality aluminum and specially designed in such a way that in addition to high efficiency in heat dissipation, it can also resist any external damage.

## CONNECTIVITY AND COMMUNICATION

### Wired LAN Network

has built-in Realtek network adapter that can work in a fast Gigabit Ethernet network.



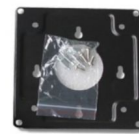
## DEVICE APPLICATION

Trade and service

Mini PC is an ideal tool to support us in the implementation of many activities in the field of trade, small dimensions increase the possibility of its adaptation to activities such as issuing invoices or preparing documentation, which in turn allows us to convenient and optimal sales management. The VESA holder mounted to the housing provides many installation options, eg in stores (at the cash register, under the desktop, behind the LCD / LED monitor), in factory halls or in a delivery truck.



VESA



## Warehouse and logistics

Thanks high performance an industrial computer can be used to connect multiple devices in a warehouse and make their management much easier. Its rugged casing and the fanless cooling system are ideal for harsh environments in such rooms. The solid construction guarantees long-lasting work, even in environments with high dustiness and dirt.



## Transport and motorization

A small industrial computer can be used in transport thanks to the ability to

work on 12V power supply. Then the mini computer can be used in passenger cars, buses, trams, taxis, trains and even in airplanes. It allows you to inform the driver about the current state of the vehicle, transfer its current location to the management center, display information for passengers, etc. It performs well in vehicles where small dimensions are important.



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

## AVAILABLE VERSIONS

The industrial mini-computer mBOX Q838GE is offered in several versions to suit 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.0	v.1	v.2	v.3	v.4
4GB RAM	—	+	+	—	—
8GB RAM	—	—	—	+	—
16GB RAM	—	—	—	—	+
64GB mSATA SSD	—	+	—	—	—

128GB mSATA SSD	-	-	+	-	-
256GB mSATA SSD	-	-	-	+	-
512GB mSATA SSD	-	-	-	-	+
WiFi	-	+	+	+	+