

mBox X105



mBox X105 v.1 - Industrial Mini Computer
with Intel Celeron 3855U Processor - M.2
disk - USB 3.0, 2x HDMI

Category:	MiniPC Industry
Manufacturer:	Mobilator
Others:	Black
Chipset:	Intel Chipset
CPU Support:	Intel® Celeron® 3855U
Installed CPU:	Intel® Celeron® 3855U (Dual-core 1.6 GHz 2M Cache)
Memory Support:	1x DDR4L SO-DIMM Socket (Do 16G, 2133/2400MHz)
Installed Memory:	4GB
Graphic Card:	Intel® HD Graphics 510
Storage (HDD) Support:	SSD, M.2, HDD
Installed Storage (HDD):	128GB SSD M.2
CD/DVD Drive:	-----
LAN:	2x Intel I211-AT Gigabit LAN
Wireless LAN card:	None (Available in a different version)
Bluetooth:	None (Available in a different version)

3G:	-----
4G LTE:	-----
TV Tuner:	-----
Watch Dog Timer:	-----
Front Panel (ports):	2x USB 3.0 4x USB 2.0 1x COM Power button
Rear Panel (ports):	2x USB 3.0 2x LAN 2x HDMI 1x VGA Audio 5x COM (ports 2/3 configurable as RS-485 via BIOS setting)
Power:	DC-12V3A
Supported OS:	Windows: 7/8//10 Linux
Installed OS:	-----
Dimensions:	220 x 128 x 62mm
Weight:	2.5 kg
Expansion:	-----
Fanless:	Yes
Humidity:	10%~90%
Temp:	from 0°C to 50°C
IP Norm:	-----
Storage temperature:	from -20°C to 80°C

Product from the Archive - production finished

mBox X105



HDMI™

USB



TECHNICAL 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 X105 is a device designed for all industrial and non-continuous applications requiring continuous operation - 24 hours, 7 days a week.



Small dimensions

The compact housing means that the Mini PC will fit wherever you need it and is easy to carry.



Lightweight design

The computer's weight does not exceed 3 kg, so it can be conveniently carried in a bag or backpack.



Efficient components

The

Intel

Celeron 3855U

dual-core CPU provides

improved device

performance.



Wireless network^{*}

The mini PC can be connected to nearby

wireless networks by
equipping it with an
optional Wi-Fi module.



Quick start

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



Passive cooling

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

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

SPECIFICATION	
Mini-PC mBox X105	
Processor	Intel® Celeron® 3855U (Dual-core 1.6 GHz 2M Cache)
Operation system	Support: Windows 7/8/10 Linux
RAM	DDR4L SO-DIMM 4 GB

Mini-PC mBox X105	
Drive	M.2 SSD 128 GB
Graphic card	Intel® HD Graphics 510
Connectivity	LAN: 2x Intel I211-AT Gigabit LAN
Front panel	2x USB 3.0 4x USB 2.0 1x COM Power button
Rear panel	2x USB 3.0 2x LAN 2x HDMI 1x VGA Audio 5x COM (ports 2/3 configurable as RS-485 via BIOS setting)
Available colors	Black
Dimensions	220 x 128 x 62mm
Weight	2.5 kg

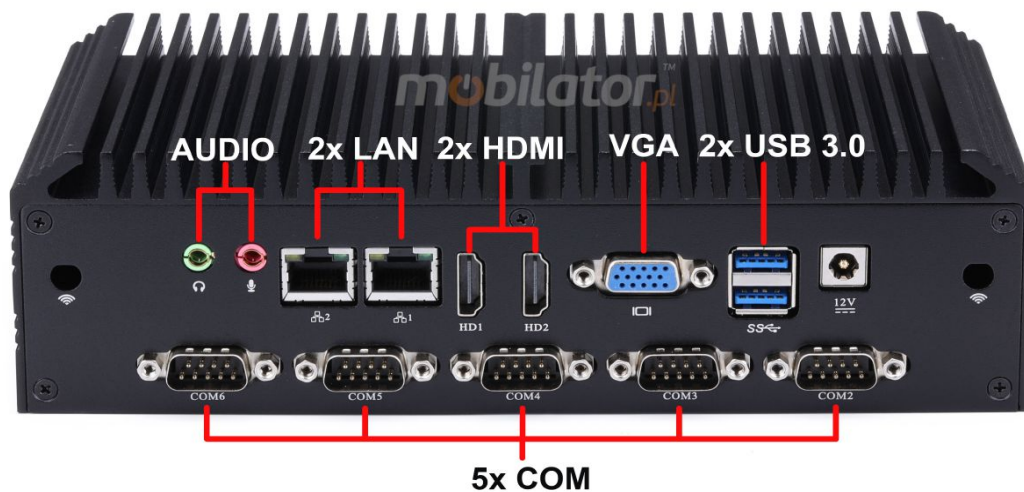


Detailed device specification is available in the "Technical data".

Efficient processor

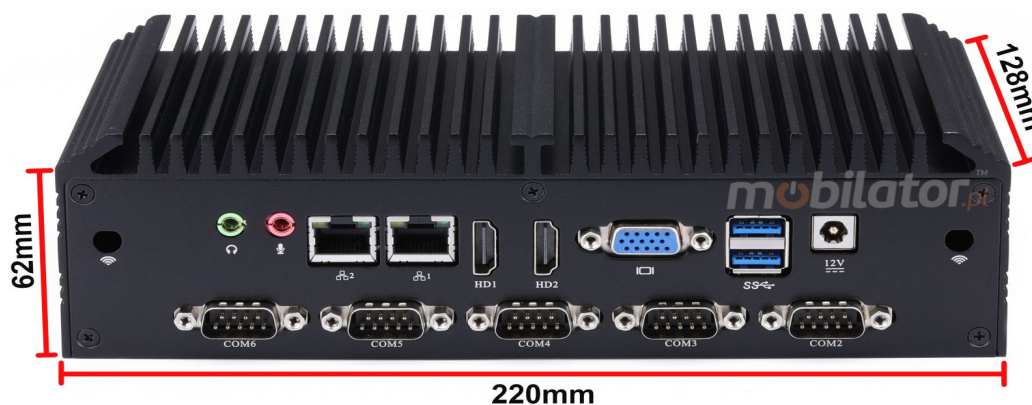
The industrial mini-computer mBox X105 uses an efficient and energy-saving Intel Celeron 3855U . Inside it there are two cooperating cores enabling more efficient processing of many tasks at the same time. The shared cache memory in which the multilevel hierarchy is used is dynamically allocated to each 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 X105 is versatile for use at home, in the office and in the industry, for example in the production hall. It fits almost anywhere, and it can be mounted on the back of the monitor to optimize the job.



Dimensions

220 x 128 x 62mm

Weight

2.5 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, for example, 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

X105

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

Work temp.

from 0°C to 50°C

Non-Operating temp.	from -20°C to 80°C
Humidity	10%~90%

Mechanical damage

The passive cooling system used in the MiniPC mBox X105

combined with the SSD 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



Wireless network (Option)

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. Industrial mini-PC

mBox

X105

has been equipped the standard of - 802.11n, which allows transfer of files at a dizzying speed of up to 300 Mb / s.

Wired LAN Network

The

MiniPC

mBox

X105

has built-in Intel 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), in factory halls or in a delivery truck.



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.



Monitor



TV



Projector



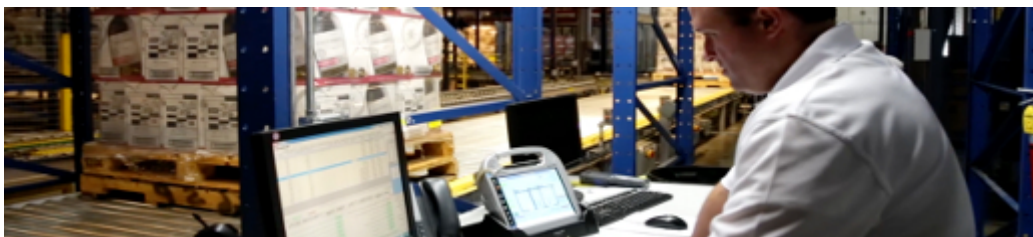
Printer



Digital signage



Monitoring



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 X105

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](#) [v.5](#) [v.6](#) [v.7](#)

WiFi	—	—							
Bluetooth	—	—	—	—					
4GB RAM	—				—	—	—	—	—
8GB RAM	—	—	—		—		—		—
16GB RAM	—	—	—	—		—			
128GB M.2 SSD	—		—	—	—	—	—		—
256GB M.2 SSD	—	—			—	—			—
512GB M.2 SSD	—	—	—	—		—	—		—
256GB MSATA SSD	—	—	—	—	—		—		—
512GB MSATA SSD	—	—	—	—	—	—	—		
500GB HDD	—	—	—	—	—				—