



MobiPad nBOX MV3-2LAN-N5095 v.4 - Mini industrial computer with advanced WiFi 6E, Intel Celeron processor and large memory 8GB RAM DDR4 512GB SSD M.2



Category:	MiniPC Industry
Manufacturer:	Mobikator
Supported OS:	Windows 11, Windows 10, Linux
Installed OS:	Windows 11 PRO (optional)
Chipset:	Intel Jasper Lake
CPU Support:	Intel Jasper Lake
Installed CPU:	Intel Celeron N5095
Graphic Card:	Intel UHD Graphics
Memory Support:	DDR4
Installed Memory:	8GB RAM
Storage (HDD) Support:	SSD M.2 - NVMe
Installed Storage (HDD):	512GB SSD M.2 - NVME
IP Norm:	None
Temp:	-20°C ~ +55°C
Storage temperature:	-40°C ~ +70°C
Humidity:	10% - 90%
Others:	Color black
LAN:	2x RJ45: Gigabit LAN, support 10/100/1000Mbps
Wireless LAN card:	WiFi 6E

3G:	No
4G LTE:	No
Bluetooth:	Bluetooth 4.2
Rear Panel (ports):	1× HDMI 2.0b 1× DisplayPort 1.4a 2× LAN 1× VGA (RS232) 1× DC-IN
Front Panel (ports):	4× USB 3.0 1× Micro SD 1× MIC IN 1× Line-out
Expansion:	Adapter HDMI cable VESA mount WiFi Antenna
Power:	100-240V AC - 12V DC / 2.5A
Watch Dog Timer:	No
CD/DVD Drive:	None
TV Tuner:	No
Dimensions:	145 x 127.5 x 34 mm
Fanless:	Yes
Weight:	1,1kg

2 190,94 zł

net price: 1 781,25 zł

MobiPad nBOX MV3-2LAN-N5095



SPECIFICATION

CONNECTIVITY AND COMMUNICATION

RESISTANCE AND DURABILITY

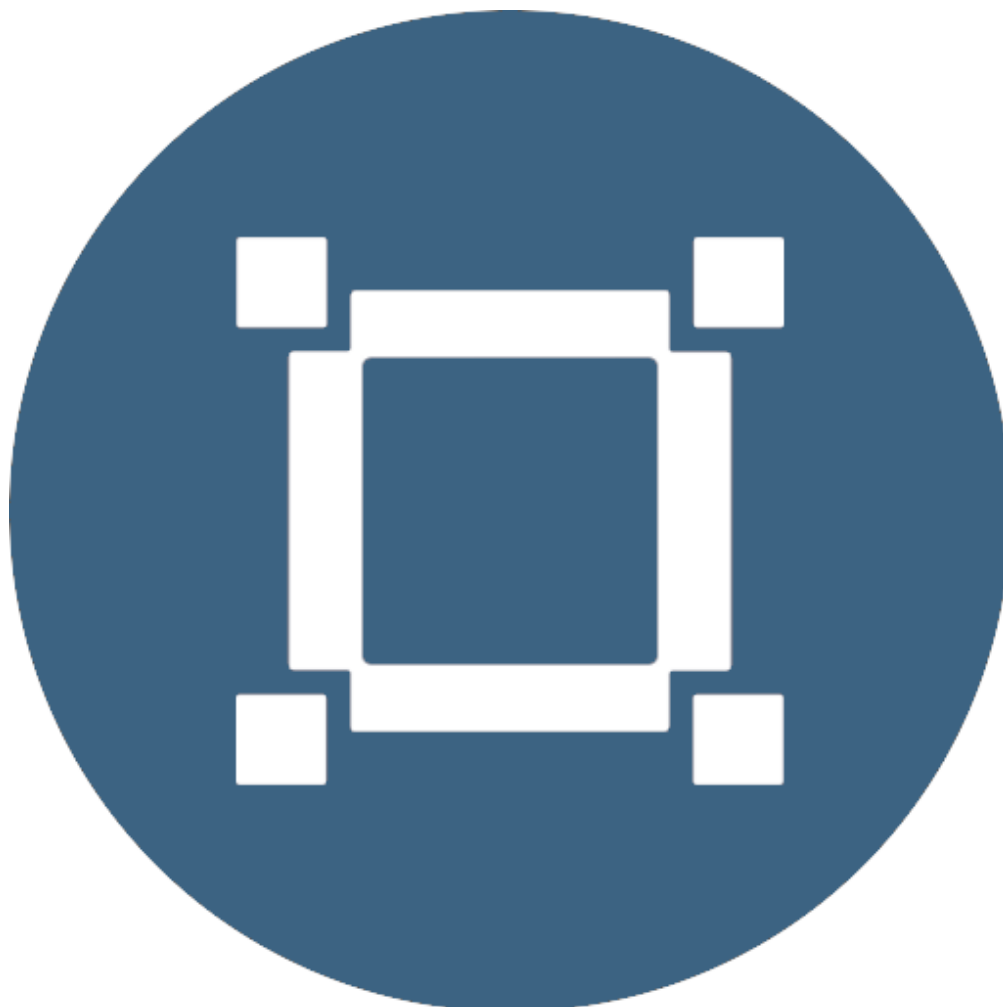
APPLICATION

AVAILABLE VERSIONS

This innovative, compact industrial computer is highly resistant to operation in demanding, dusty environments and ensures completely silent operation in all conditions. The powerful MobiPad nBOX MV3-2LAN-N5095 model utilizes passive heat dissipation and a metal casing, ensuring optimal cooling of the quad-core, four-thread Intel Celeron N5095 processor without the need for fans. This advanced hardware is fully designed for continuous 24-hour operation, further enhanced by automatic restart after a power outage and Wake-On-Lan

technology. The use of Intel UHD Graphics makes this unit a stable foundation for industrial control systems and professional office workstations requiring the highest level of workflow.

Small dimensions



The ergonomic metal housing, measuring 145 x 127.5 x 34mm, significantly saves space on your workstation.

Lightweight construction



The low weight of 1.1kg combined with the compact design of the housing facilitates easy transport.

Efficient processor



The use of the advanced Intel Celeron N5095 chip ensures optimal smooth operation of this multitasking unit while simultaneously handling multiple system processes.

Wireless Networking



The implementation of modern radio communication modules in this versatile device enables stable and lightning-fast data transmission based on the WiFi ac and WiFi ax (6/6E) standards.

Quick Start



The implementation of modern data storage technologies, including support for M.2 2280 SATA drives and NVMe SSDs, guarantees rapid loading of the operating environment and immediate program launches.

Passive Cooling



The complete absence of any moving mechanical components inside the housing ensures completely silent operation of this robust device under all operating conditions.

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SPECIFICATION

MobiPad nBOX MV3-2LAN-N5095

Processor	Intel Celeron N5095
Operating system	Supported: Windows 11, Windows 10, Linux

MobiPad nBOX MV3-2LAN-N5095

RAM DDR4	8GB
Hard Disk SSD M.2	512GB
Communication	WiFi 6E Bluetooth 4.2
Connectors - front	1x Micro SD 4x USB 3.0 microphone input (MIC IN) line output (Line out)
Connectors - rear	1x HDMI 2.0b 1x DisplayPort 1.4a 2x LAN 1x DC IN 1x VGA ** (can be converted to RS232)
Dimensions	145 x 127.5 x 34mm
Weight	1.1kg
Graphics card	Intel UHD Graphics
Colors available	Black (Metal Housing)

** When placing an order, it is possible to replace the standard VGA connector with an RS232 port.



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

Efficient Processor

The reliable MobiPad nBOX MV3-2LAN-N5095 is powered by the powerful Intel Celeron N5095 processor, which provides four cores and four threads for efficient and parallel processing of multiple operations. This processor's architecture ensures smooth operation while maintaining optimal power consumption. Combined with DDR4 memory support, this ensures adequate

throughput and stable system operation during advanced industrial processes.

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Passive Cooling

The durable MobiPad nBOX MV3-2LAN-N5095 is equipped with a fanless passive cooling system that utilizes the heat dissipation capabilities of a rigid metal structure. Heat generated by the quad-core and quad-thread Intel Celeron N5095 processor is transferred directly to the computer's outer shell, eliminating the need for fans or other moving mechanical parts. This solution guarantees silent operation and significantly minimizes the likelihood of malfunctions, while also providing excellent resistance to dirt and dust ingress.

Dimensions

The compact metal construction makes the practical MobiPad nBOX MV3-2LAN-N5095 perfectly suited to both modern office spaces and demanding industrial sectors. Its compact design allows the device to maintain full functionality in confined spaces while offering the durability necessary for professional technical applications.



Dimensions	145mm x 127.5mm x 34mm
Net weight	1100g

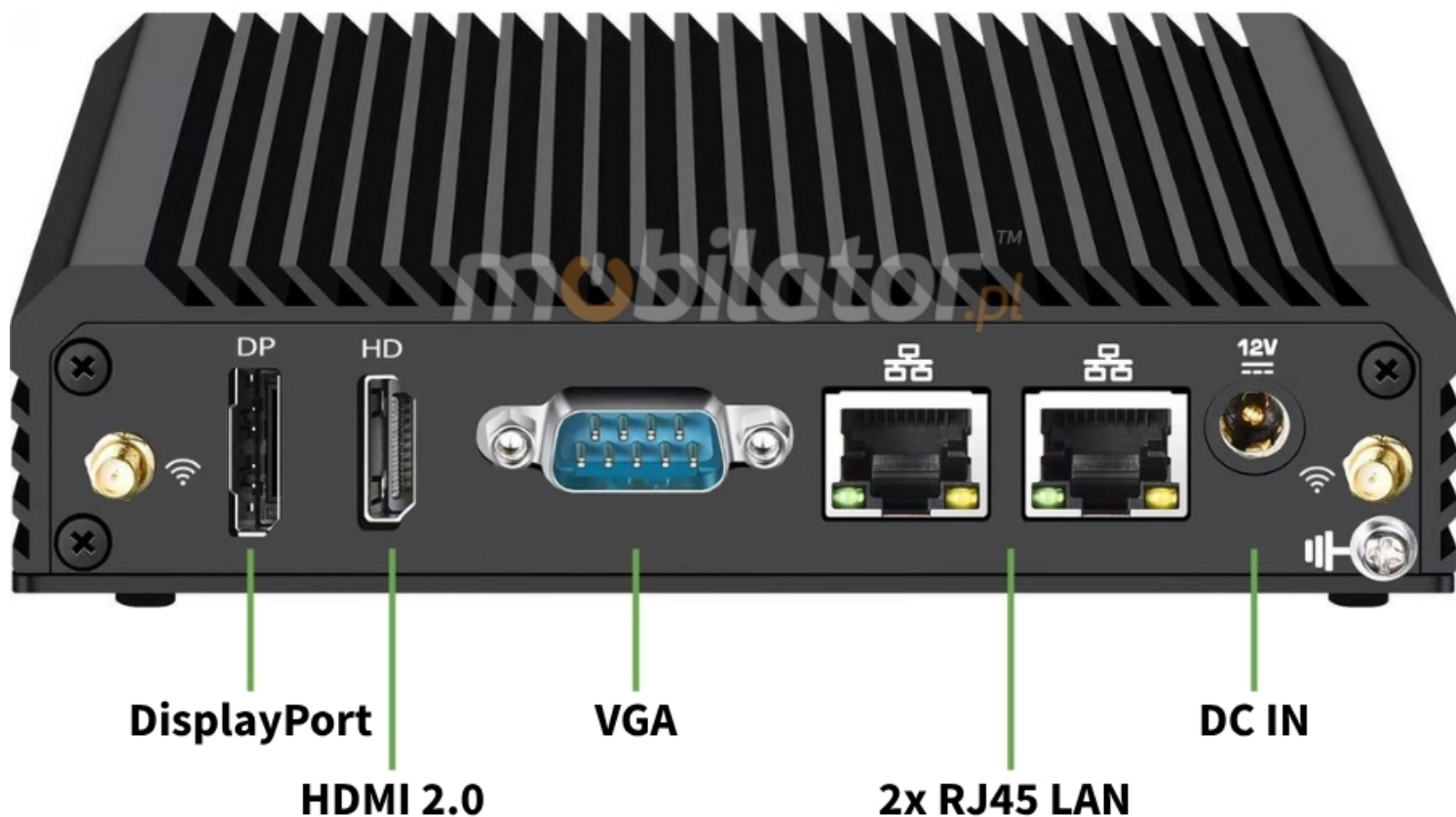
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Connectors and Buttons

The professional MobiPad nBOX MV3-2LAN-N5095 is equipped with a convenient front panel that allows for convenient connection of additional accessories in various work scenarios. The robust metal construction features an integrated power button on the front, ensuring convenient startup. The available input and output configuration includes four USB 3.0 ports, ensuring lightning-fast data transfer and the ability to simultaneously support multiple external peripherals. The front panel also features a Micro SD card slot and audio connectors in the

form of a MIC IN and a Line Out, facilitating full customization of hardware parameters to specific operational requirements.





The multi-purpose MobiPad nBOX MV3-2LAN-N5095 features an extensive port section on the rear of the housing, including a DC IN socket, ensuring uninterrupted power supply in advanced industrial installations. Wired communication is achieved via two RJ45 Gigabit LAN connectors, ensuring high throughput and stable data exchange within local network structures. HDMI 2.0 and DisplayPort 1.4 outputs, supporting 4K resolution at 60Hz, ensure high-quality video signal transmission. **The device's design allows for interface customization by replacing the analog VGA port with an RS232 serial port at the time of ordering, allowing for optimal customization to specific communication requirements without sacrificing the compact metal housing.**

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CONNECTIVITY AND COMMUNICATION

WiFi 6E wireless network

The versatile MobiPad nBOX MV3-2LAN-N5095 offers reliable and efficient wireless connectivity thanks to the implementation of a dedicated M.2 2230 E key connector, enabling full use of WiFi ac and WiFi ax (6/6E) technologies. This modern hardware platform ensures continuous data transmission even in environments with high network signal density, typical of complex office buildings or automated logistics centers.

Wired LAN

The innovative MobiPad nBOX MV3-2LAN-N5095 features two RJ45 Gigabit LAN ports based on the proven Realtek RTL8111H chipset, ensuring optimal throughput at 10/100/1000 Mbps. This communication architecture enables efficient information flow and maintaining a constant connection in control systems requiring constant network connectivity. The use of a dual-channel cable interface allows for the physical isolation of the internal network from the external network or the implementation of redundant connections, which significantly increases the level of protection and stability of operational processes in the industrial sector.

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RESISTANCE AND DURABILITY

Mechanical Damage

The implementation of a fanless thermal energy dissipation mechanism, combined with the use of a fast M.2 NVMe SSD, makes the rugged MobiPad nBOX MV3-2LAN-N5095 highly resistant to vibration and all types of mechanical damage. The complete elimination of moving components makes this design highly resistant to shock, ensuring reliable operation in locations exposed to intense vibrations or requiring exceptional physical durability of all internal components.



A key operational advantage of the MobiPad nBOX MV3-2LAN-N5095 is its all-metal construction, which serves as an efficient, passive heat sink. This dedicated enclosure is designed to effectively transfer the thermal energy generated by the quad-core, four-thread Intel Celeron N5095 processor to the outside without the need for active cooling systems such as fans.

Extreme Temperatures

The robust MobiPad nBOX MV3-2LAN-N5095 is fully optimized for continuous operation in harsh thermal environments, as evidenced by a wide operating temperature range of -20°C to 55°C. The unit maintains full performance at relative humidity levels ranging from 10% to 90%, while its specialized design allows for safe storage in extreme temperatures ranging from -40°C to 70°C.

Operating Temperature	-20°C to 55°C
Temperature Storage	-40°C to 70°C
Humidity	10% to 90%

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APPLICATIONS

Retail and Services

The practical MobiPad nBOX MV3-2LAN-N5095 is widely used in the retail and service sectors, where its compact size facilitates efficient sales document display and ongoing inventory control. The use of fanless passive heat dissipation, combined with a rigid housing design, ensures completely silent operation at customer service points, significantly improving the comfort of the surroundings by completely eliminating sounds emitted by the device's

operation. The factory-adapted VESA 70x70 and 100x100 mm mounting standards allow for stable placement of this unit directly on the rear panel of a monitor or under a worktop, resulting in optimal use of available space at the workstation.



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Warehouse and Logistics

The high-end MobiPad nBOX MV3-2LAN-N5095 enables efficient warehouse resource management and the simultaneous execution of numerous accounting processes. The complete absence of moving parts in the cooling system makes

this durable device exceptionally resistant to the specific conditions found in logistics centers, where the presence of dust and fine particles could disrupt the operation of standard units equipped with active fans.



Transportation and Automotive

The adaptive MobiPad nBOX MV3-2LAN-N5095 is highly useful in the transportation and automotive industries thanks to its dedicated DC IN power input, which enables stable operation with electrical systems in various modes of transportation. This passively cooled unit is widely used in cars, trains, and public transport vehicles, where it is used to support advanced passenger information systems and conduct real-time diagnostics of technical parameters.



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

AVAILABLE VERSIONS

The configurable MobiPad nBOX MV3-2LAN-N5095 offers a wide range of component selection options, allowing for precise customization to specific design requirements. For situations requiring custom specifications, a custom hardware configuration can be provided, extending beyond the basic offering, allowing for the creation of unique technological solutions that fully meet current operational needs.

	v.1	v.2	v.2.1	v.3	v.4
Windows 11 PRO	—	—	+	—	—

WiFi 6E	—	—	—	—	+
8GB RAM	—	+	+	+	+
128GB SSD M.2 - NVMe	—	+	+	—	—
256GB SSD M.2 - NVMe	—	—	—	+	—
512GB SSD M.2 - NVMe	—	—	—	—	+