

Contents [[hide](#)]

- [1 RUSAVTOMATIKA IFC-BOX-NS54 Embedded Industrial Computer](#)
- [2 Product Usage Instructions](#)
- [3 Features](#)
- [4 Overview](#)
- [5 Specification](#)
- [6 FAQs](#)
- [7 Documents / Resources](#)
 - [7.1 References](#)

RUSAVTOMATIKA

RUSAVTOMATIKA IFC-BOX-NS54 Embedded Industrial Computer



Product Usage Instructions

Installation

The product can be installed using VESA mounting, wall-mounted setup, or optional Din-rail installation.

I/O Connectivity

The device features various I/O ports including USB (4 x USB3.0, 2 x USB2.0), COM ports (6 COM), and audio ports for Line-out/Mic-in.

Power Supply

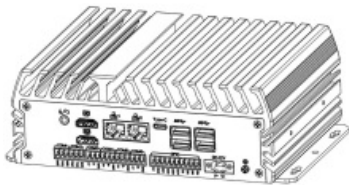
The product requires a power supply of 9 to 36 VDC for operation.

Application

This industrial computer is suitable for various applications such as industrial automation, medical facilities, transportation systems, logistics operations, warehousing solutions, and e-education environments.

Embedded Industrial Computer

Features



All-aluminum alloy structure, fanless cooling design



1*DDR5 4800MHz SODIMM slot max 32GB



2 x M.2 slot+1 x Mini PCIe slot (support M.2 SSD+WIFI+4G at same time)



- **Multi- LAN** 1 x Intel i226-V 2.5G Ethernet
- 1 x Intel i226-LM 2.5G Ethernet



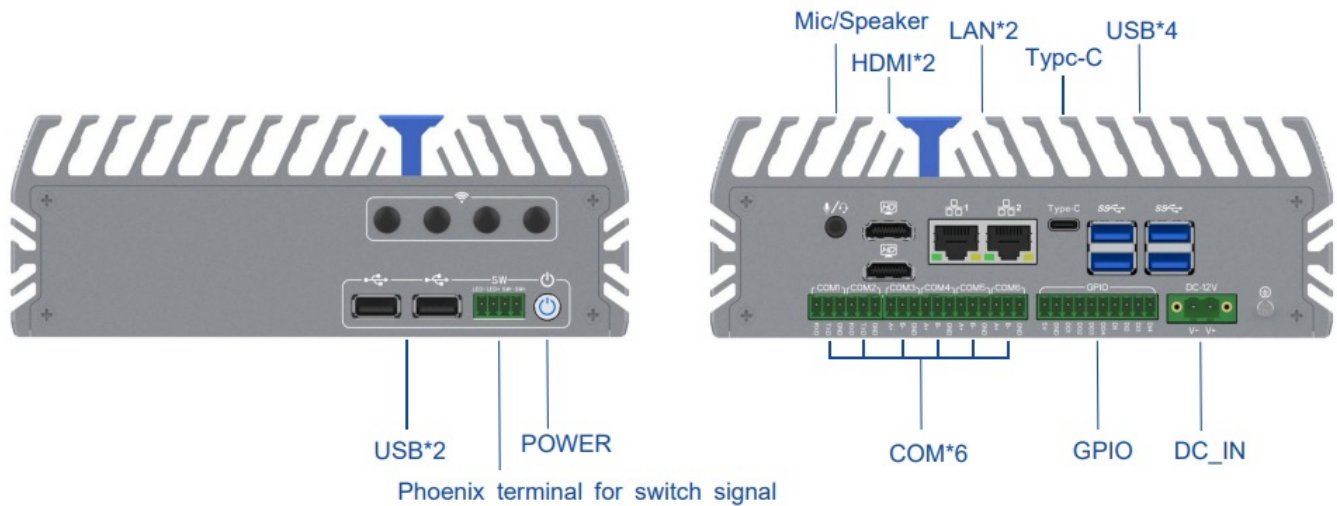
Triple Display 2 x HDMI+1 x Type-C Triple display port



USB 3.0 4 x USB3.0 2 x USB2.0



Overview



Optional Extensions



CAN



COM



GPIO



4G



WIFI / Bluetooth

Specification

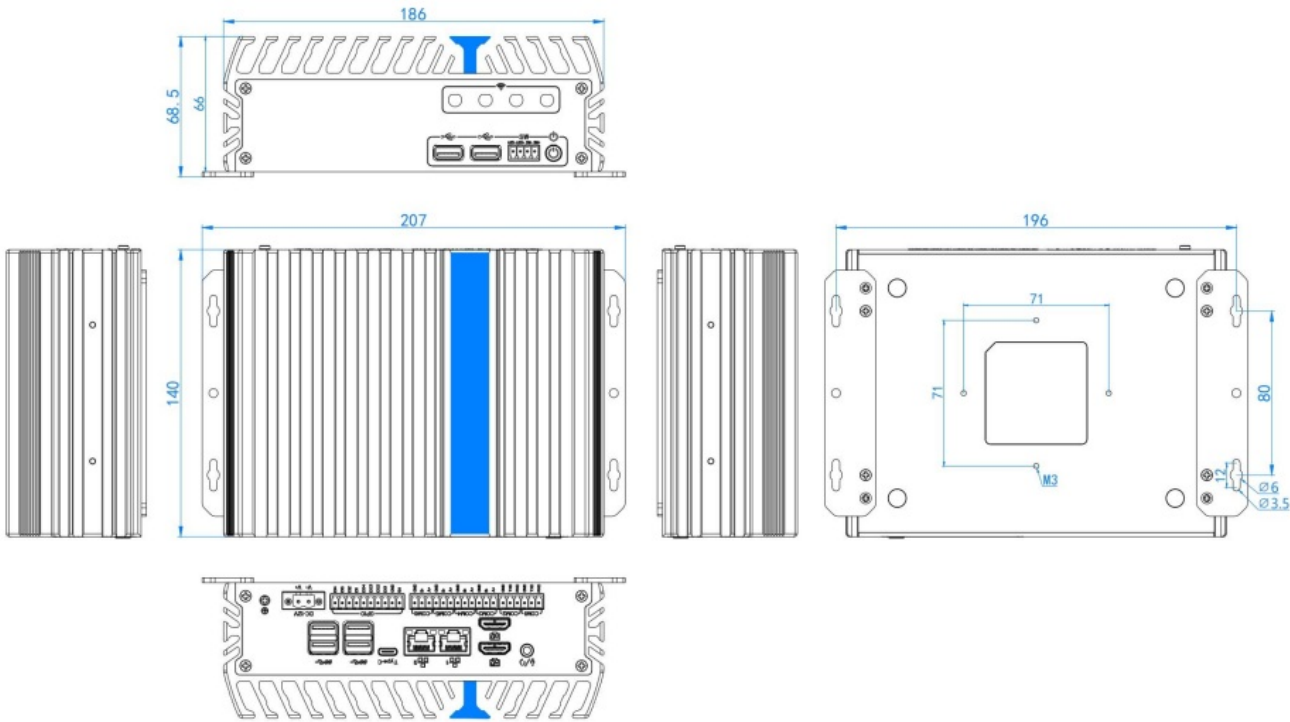
Parameter	
Processor	Intel i5-1235U ten core twelve thread 4.4 GHz Intel i7-1255U ten core twelve thread 4.7 GHz
Chipset	Alder Lake-N
Memory	1*DDR5 4800MHz SODIMM slot, max 32 GB
Graphics Card	
Graphics Card	Intel(R) UHD Graphics (triple display
Display port	2 x HDMI Resolution up to 3840 x 2160 @60Hz 1 x Type-C Resolution up to 3840 x 2160 @60Hz
Ethernet	
Internet port	1 x Intel i226-V 2.5G Ethernet 1 x Intel i226-LM 2.5G Ethernet
I/O	
USB	4 x USB3.0 2 x USB2.0
COM	6 COM (COM1, COM2 default RS232, COM3-COM6 default RS485)
Audio	1 x Line-out / Mic-in, two in one audio

Power supply	9 ~ 36 VDC
---------------------	------------

Storage	
M.2	1 x M.2 2280 M-key slot (support NVME SSD, PCIE X4)
SATA	1 x 2.5 inch HDD/SSD slot
Expansion	
M.2	1x M.2 2230 E-key slot (support WiFi / BT)
Mini PCIE	1 x full length Mini PCle slot (PCIE&USB2.0 protocol 4G/WIFI/BT optional), inside Nano-SIM slot
Dimension	
Dimension	186x140x66 mm
Weight	1,53 kg
Installation	VESA, Wall-mounted, Din-rail (optional)
Environmental	
Temperature	-20°C +60°C, Surface air flow
Humidity	5% 95% Non-condensing state
Other Function	Power on when there is electricity, network wake up timed startup, PXE startup (0 255level ,TPM2.0

Application	Industrial automation, medical, transportation, logistics, warehousing, e-education.,etc
-------------	--

Drawing



Order Information

Order configuration	Spec
Config 1	Intel Core i5-1235U, 2 x LAN / 6 x COM / 6 x USB
Config 2	Intel Core i7-1255U, 2 x LAN / 6 x COM / 6 x USB

FAQs

Q: Can I upgrade the memory in this industrial computer?

A: Yes, you can upgrade the memory by using the provided DDR5 SODIMM slot with a maximum capacity of 32GB.

Q: What kind of displays can be connected to this device?

A: The device supports triple display output with options for connecting two HDMI

displays and one Type-C display at resolutions up to 3840 x 2160 @60Hz.

Q: What is the recommended environmental operating conditions for this product?

A: The recommended operating temperature is between -20°C to +60°C with surface air flow. The humidity level should be maintained between 5% to 95% in a non-condensing state.

Documents / Resources

	RUSAVTOMATIKA IFC-BOX-NS54 Embedded Industrial Computer [pdf] Owner's Manual IFC-BOX-NS54, IFC-BOX-NS54 Embedded Industrial Computer, Embedd ed Industrial Computer, Industrial Computer, Computer
---	---

References

- [User Manual](#)

RUSAVTOMATIKA

Computer, Embedded Industrial Computer, IFC-BOX-NS54, IFC-BOX-NS54 Embedded Industrial Computer, Industrial Computer, RUSAVTOMATIKA

Leave a comment

Your email address will not be published. Required fields are marked *

Comment *

Name

Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

Post Comment

Search:

e.g. whirlpool wrf535swhz

Search

[Manuals+](#) | [Upload](#) | [Deep Search](#) | [Privacy Policy](#) | [@manuals.plus](#) | [YouTube](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.