

Quick guide

ALLNET NX305 NAS MiniPC

ProductNo.: 244204



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Support & Help

For technical assistance, please contact us at [.support@allnet.de](mailto:support@allnet.de)

For complaints, please visit our website at:

<https://distribution.allnet.de/support.html>

You can also find **information** in our Service Portal at:

<https://service.allnet.de/>

Manual and CE:

Under <http://shop.allnet.de/> -> Search by article number

CE can also be found at <http://ce.allnet.de>

Package contents

Please check the contents of the packaging before continuing with the commissioning of the display.

- ALLNET NX305
- 19V power supply unit
- Printed quick guide

General information

The NX305 is a mini PC with two HDD slots. It is ideal for use as a VMS recorder and is sold by ALLNET as a video server solution. It can be used both as a PC and as a headless VMS recorder. The operating system is Windows 11 Pro.

Target group of the operating instructions

The operating instructions are intended for any person using the device.

- set up,
- served,
- cleans or
- disposed of.

Conventions and symbols

The following text formats are used in these instructions. These serve to increase the clarity of the instructions.

Chapter heading

Subheading

Simple text

Important information in plain text

Designates buttons, components, functions

Warnings

The warnings in these operating instructions are structured according to the following scheme:

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The signal word "**DANGER**" indicates a warning of immediate danger to life!



The signal word "**WARNING**" indicates a warning of possible danger to life and/or serious irreversible injuries!



The signal word "**CAUTION**" indicates a warning of possible moderate and/or minor injuries!



The signal word "**CAUTION**" indicates possible damage to property.



"**Note**" indicates useful or important information about the product.

Guidelines and standards



This device complies with the following directives:

- EMC Directive 2014/30/EU
- Radio Equipment Directive 2014/53/EU
- Eco-Design Directive 2009/125/EC
- RoHS Directive 2011/65/EU.

ALLNET Computersysteme GmbH hereby declares that the ALLNET displays are in compliance with the essential requirements and other relevant provisions of the following directives and Directive 2014/53/EU.

The full text of the EU Declaration of Conformity is available at the following link
Internet address available: <http://ce.allnet.de> and at the end of the instructions.



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Internet address: <http://ce.allnet.de> and at the end of the instructions.

EU contact details:

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82110 Germering

Phone +49 (0)89 894 222 - 22

Fax +49 (0)89 894 222 - 33

Email: info@allnet.de

Disposal of the packaging

DANGER

Risk of suffocation from foil and other packaging materials. Do not leave the packaging and its parts to children. Dispose of the packaging in an environmentally friendly manner. Ask the dealer or the municipal waste disposal facility about the possibilities for disposing of the packaging in an environmentally friendly and appropriate manner.

Packaging consists of: PAP20 outer carton, PE-LD04 film and impact material, PAP10 manual

Disposal of the device



Old appliances are not worthless waste. Valuable raw materials can be recovered through environmentally friendly disposal. This appliance is labeled in accordance with Directive 2012/19/EU on waste electrical and electronic equipment (WEEE). At the end of its service life, this product must not be disposed of with normal household waste, but must be handed in at a collection point for the recycling of electrical and electronic equipment. The symbol on the product, the instructions for use or the packaging indicates this. The materials are recyclable according to their labeling. The reuse, recycling or other forms of recovery of old appliances make an important contribution to protecting the environment. Ask your dealer or local waste disposal facility about the options for disposing of the appliance in an environmentally friendly and appropriate manner.



As a consumer, you are obliged to take all batteries and rechargeable batteries, regardless of whether they contain harmful substances or not, to a collection point in your municipality/district or to a retailer so that they can be disposed of in an environmentally friendly manner.

NOTICE

Permanently installed appliance batteries or rechargeable batteries may remain in the appliance when disposed of via the collection point.

General security

RISK

The product is intended solely for the purpose for which it was designed. Only use the product as described in the operating instructions. Any other use is considered improper and may result in material damage.

The manufacturer or dealer accepts no liability for damage caused by improper or incorrect use. All safety instructions must be read carefully and these operating instructions must be kept for future reference. All warnings and instructions in these operating instructions must be followed.

Keep the operating instructions and pass them on to any subsequent owner.

DANGER

Safety instructions for handling the plug-in power supply unit

The plug-in power supply unit may only be connected to a **mains voltage of 100-240 V~, 50/60 Hz**. Never operate the plug-in power supply with any other voltage.

-  RISK Only use power supply units that are approved for this device.
- Only connect the plug-in power supply unit after the installation has been completed correctly.
-  RISK Only connect the appliance to a properly installed and earthed mains socket. The mains voltage must match the specifications on the appliance's rating plate.
- The socket outlet should be as close as possible to the appliance.
- Avoid the use of multiple sockets. Ensure that the mains cable or plug is always easily accessible so that the appliance can be quickly disconnected from the power supply.
- Lay the mains cable so that no one can trip over it.
- Plug the mains adapter fully into the socket.
-  WARNING Do not touch the plug-in power supply unit with wet hands, risk of electric shock.
- If the plug-in power supply unit is defective or if the appliance is damaged in any other way, it must not be put into operation.
- Do not pull the plug-in power supply unit out of the socket by the cable.
- The appliance remains connected to the mains even when it is switched off. Unplug the mains adapter from the socket if the appliance is not to be used for an extended period .

- In the event of malfunctions or smoke and odors coming from the housing, immediately unplug the power supply unit from the socket.

(⚠) WARNING**Safety instructions for setting up the appliance**

- DO NOT place the appliance near radiators, air conditioning units or water sources. Otherwise there is a risk of electric shock, short circuits or fire, as water may come into contact with the appliance.
- Make sure that the humidity is between 20 % and 80 % and that no condensation forms.
- Ensure that the device is NOT exposed to direct sunlight, extreme heat, naked flames or dust. Otherwise there is a risk of electric shock, short circuit or fire.
- The device is designed for use in closed rooms.
- The openings on the back of the appliance are used for ventilation to prevent the appliance from overheating. These must always be kept clear.
- To avoid damage, always place the product securely.

/// VORSICHT**Safety instructions for operating the appliance**

- Read these operating instructions carefully before using the appliance!
- The device can only be operated with the voltage described on the back and on the power supply unit.
- Only replace any existing batteries with the same or an equivalent battery type
- Do not use any appliances that are obviously faulty. If the appliance does not work normally - especially if unusual noises or odors occur - unplug the power plug from the socket immediately.
- If the cables are damaged, the appliance must no longer be used.
- Do not place the appliance on an unstable surface. The appliance could be damaged or people could be injured. Any fixings should only be fitted in accordance with the manufacturer's instructions or obtained from the manufacturer.
- Do not expose the device and the remote control to direct sunlight. This impairs the function and could lead to damage
- Do not use the appliance in a damp environment or near gas flames, hotplates or other hot objects.
- Keep the appliance dry.
- Protect the device from the effects of weather such as wind, rain, humidity and moisture.
- Do not permanently display a still image. This could damage the display.
- Do not open the housing, but contact your specialist dealer or the manufacturer for

repairs.

- Work may only be carried out on the appliance if it has been disconnected from the power source.
- Ensure that the appliance is only operated by persons who have read the instructions or have been instructed in its operation by a competent person.



RISK

Safety instructions for repair and maintenance

- Repairs and maintenance work may only be carried out by customer service or by specialist personnel authorized by the manufacturer. Incorrect repairs can result in considerable danger to the user.
- Regular maintenance by the manufacturer is not necessary.
- Never attempt to repair a defective appliance yourself. Always contact one of our customer service centers.
- Do not open the appliance under any circumstances. This may only be carried out by customer service or by specialist personnel authorized by the manufacturer. Otherwise there is a risk of electric shock.
- Operators may only rectify faults themselves if they are obviously due to operating errors.
- Clean the display regularly.
- Disconnect the mains plug from the socket before cleaning.
- Do not use liquid cleaners or cleaning sprays. The appliance may only be cleaned with a damp cloth.
- It is prohibited to make modifications to the appliance.
- Damaged devices or damaged accessories may no longer be used.

**NOTICE****Intended use**

This device is a compact NAS mini PC, equipped with an Intel® N305 processor, and has been specially designed for use as a home or office NAS system. The PC supports both **Windows** and **Linux** operating systems and therefore offers maximum flexibility in various IT environments.

The Mini-PC has **two hot-swap HDD removable frames**, which enable the quick and tool-free replacement of **up to two 3.5-inch SATA hard disks**. This makes the system ideal for:

- Central **data storage and sharing** in small networks
- the **operation of backup servers** or media servers (e.g. Plex, Jellyfin)
- Use as a **personal cloud solution** (e.g. Nextcloud, OpenMediaVault)
- **Lightweight virtualization** or container-based services (e.g. Docker, Proxmox)

The device is intended for **indoor** use only and in **compliance with the product specifications**. Improper use, for example as an industrial server or under extreme environmental conditions (humidity, heat, dust), can lead to damage and invalidates any warranty.

This appliance complies with CE regulations.

The manufacturer accepts no liability for damage caused by improper use. Read the operating instructions carefully before commissioning. Only then can all functions be used safely and reliably.

Operating conditions

The appliance is designed for use in enclosed spaces and must be protected from excessive dust, extreme temperatures, moisture and condensation.

The environmental requirements are specified as follows:

Operating conditions:

Temperature -10° - +60° with ventilation

Humidity 20% - 80% non-condensing

Storage conditions:

Temperature -20° - + 70°

Humidity 10% - 90% non-condensing

Plug-in power supply	
Type	J652-19035001X
Input voltage	100-240Vac
Input frequency	50/60Hz
Input current strength	1.7A
Output voltage	12V
Output current	3.5A
Output power	66,5W
Average efficiency in operation	89,00%
Efficiency at low load (10 %)	79,00%
Power consumption at no load	0.1W Max
Energy efficiency class	VI

Technical details:

Component	Technical details
Processor	Intel® Core i3 N305
Processor type	Efficient 8-core processor (Alder Lake-N)
Cores / Threads	8 cores / 8 threads
Clock frequency	Base: 1.0 GHz, Turbo up to 3.8 GHz
Cache	6 MB Intel Smart Cache
Integrated graphics	Intel® UHD Graphics with up to 1.25 GHz
Working memory	16 GB
Memory type	DDR5 RAM, dual-channel
Mass storage	256 GB M.2 SSD (PCIe)
Max. Resolution (graphics)	4K at 60 Hz via HDMI 2.0 / DP
Special features	Energy-efficient performance, fanless design, ideal for streaming & analysis

Operation

Please note:

The operating system can be Windows or Linux. License must be purchased separately.

Starting the PC

Connect the supplied power supply unit to the power socket and to the hollow plug socket on the PC.

After a successful power connection, start the PC using the power button on the rear panel

Bios configuration:

To change settings in the Bios, press the "Del" button immediately after pressing the power button.

Autostart configuration:

If you want to change the autostart, go to the Bios menu as described above.

There, click on Advanced in the tabs. Navigate to the PWRON item.

The following options are available for setting:

- Always - Always on after power loss
- Always OFF - Pc remains off after power connection
- Former-Sts - last state

Wake on Lan:

If you want to set "Wake on Lan", go to the Bios menu as described above.

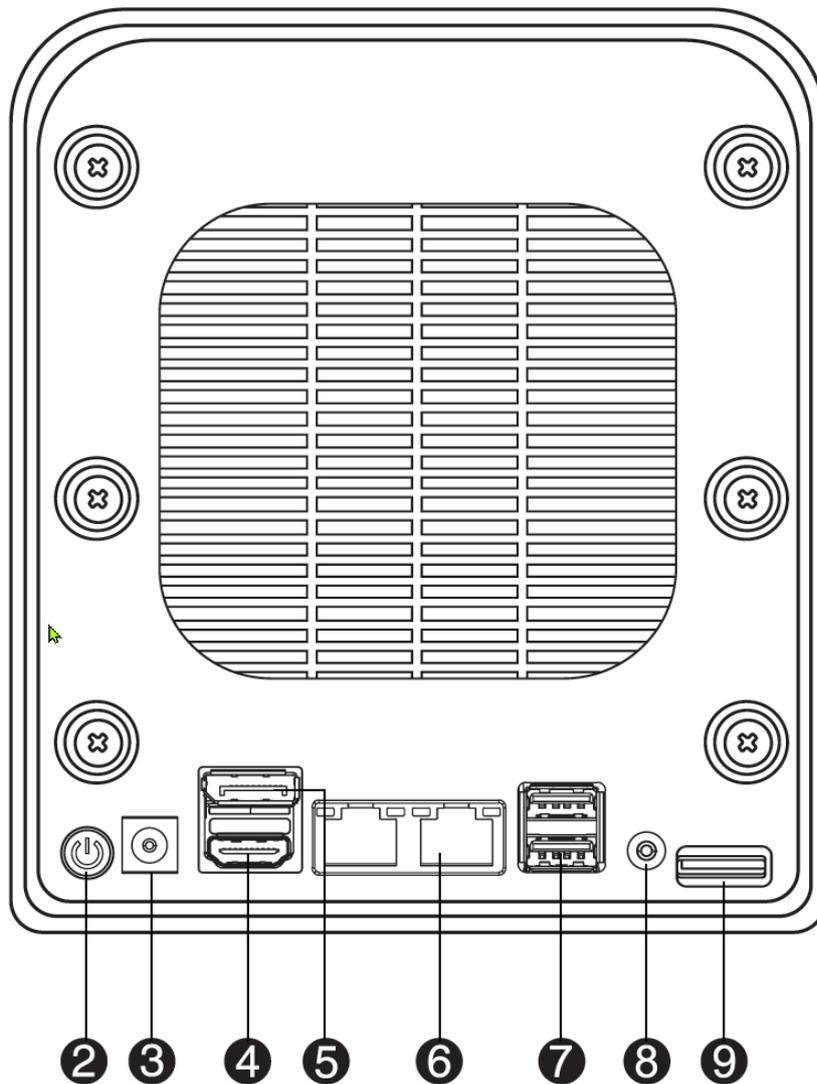
There, click on Advanced in the tabs and on ACPI Settings. Here you will find the settings for switching on under "Resume by Onboard LAN". This makes it possible to start the PC automatically via a Magic Package over the network.

Boot from ext. boot medium:

If you want to boot from an external drive, go to the Bios menu as described above. There, under the "Boot" tab, you can change the boot sequence under "Boot Option Priorities".

However, the medium to be booted must be connected first.

The PC structure:



- | | | |
|-----------------|----------|--------------|
| ❶ Status lights | ❷ OFF/ON | ❸ DC-IN 19V |
| ❹ HDMI 2.0 | ❺ DP | ❻ 2*2.5G LAN |
| ❼ 2*USB 3.2 | ❽ Audio | ❾ TF card |

Please note!

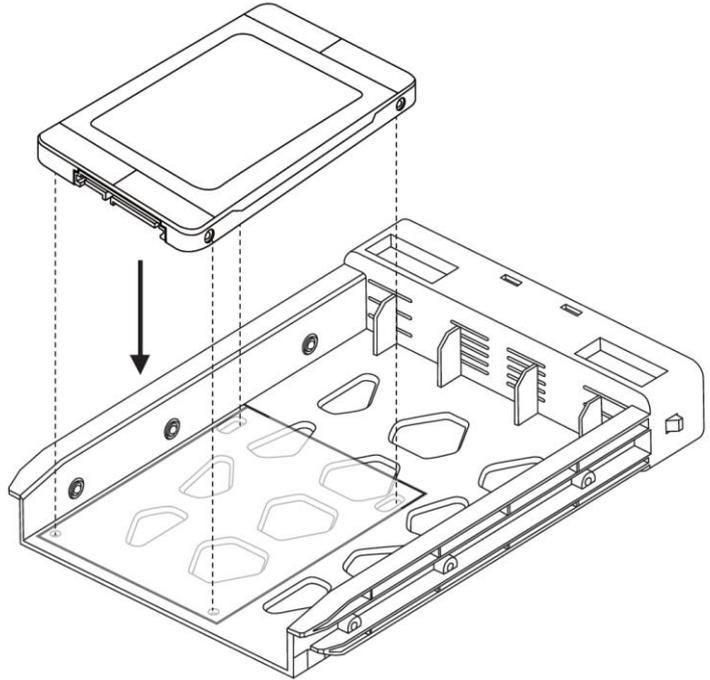
To ensure efficient data transmission, it is recommended to use a 2.5G or Gigabit switch or higher. It is recommended to use a new hard disk. If you are using an old hard disk, please back up the old data from the old hard disk before using it.

Please use the mains adapter supplied with the product. Using a different adapter may cause damage to the device and the warranty will not apply.

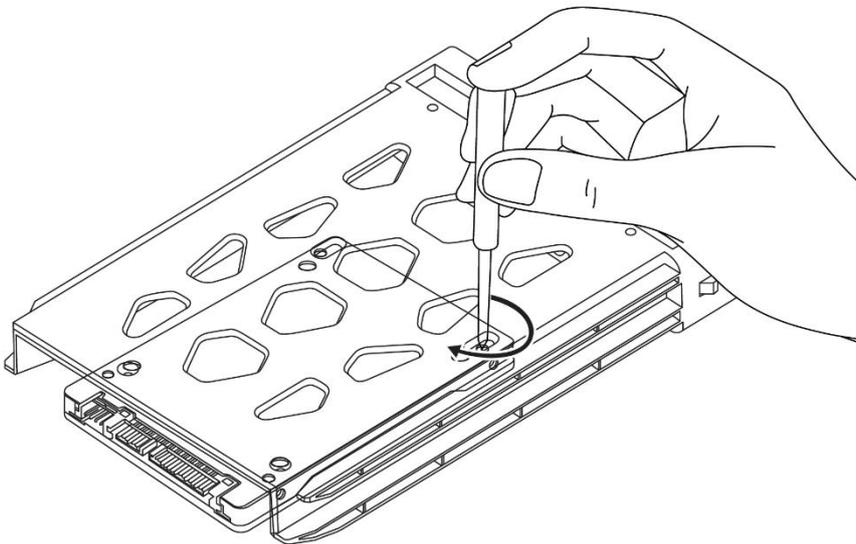
Installing a 2.5 inch SSD/HDD

Step 1: Press the orange switch on the hard disk holder and pull out the hard disk holder.

Step 2 : Align the hard disk with the four fixed holes on the bracket as shown in the illustration, then



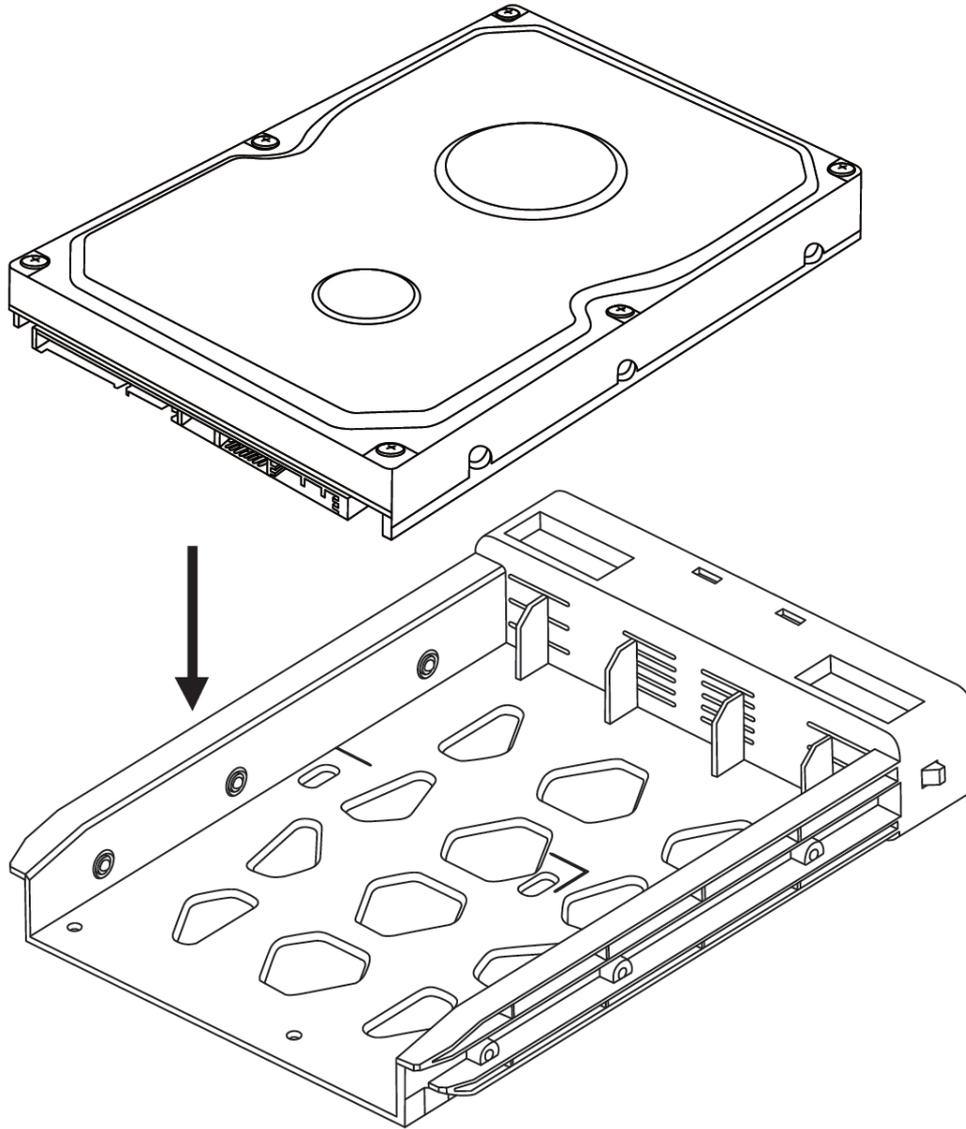
turn it over and place it on the table.



Step 3 : Install and tighten the screws from the back as shown, and reinstall the bracket into the housing.

Installation of a 3.5 inch HDD

Step 1: Press the orange switch on the hard disk holder and pull out the hard disk holder.



Step 2 : Align the six steel balls on the bracket as shown in the illustration with the screw holes on the hard disk and insert the hard disk. Insert the hard disk holder from top to bottom.

Step 3 : The holder locks the 3.5-inch hard disk automatically. Finally, reinsert the holder into the housing.

Installation Windows®/Linux

To install Windows® 11, you must create a suitable boot medium, e.g. a USB stick with a bootable Windows® image. A program that would be very suitable for this is Rufus, for example.

As soon as you have the USB stick ready, insert it into one of the two USB ports. Start the PC with the power button and press the F8 key several times during the boot process until the boot menu appears. Select the USB stick and the installation routine will start.

! Note: You should use a USB hub to have more free ports for mouse, keyboard and USB stick.

Install Networkoptix as VMS Recorder

Go to the Networkoptix website under Products and select NX Witness. Then click on Download NX Witness VMS. A new tab will open.

Here you select "Windows x64- Server installer".

The link: <https://nxvms.com/download/releases/windows>

You can also install Client&Server. Please note, however, that the simultaneous operation of server and client uses a lot of system resources when the client is opened.

For installation of NX Witness and help, please visit the forum or the Networkoptix website.

Licenses for the NX Witness software are available in our store.

CE

CE Declaration of Conformity

Germering, 16th of November, 2021

ALLNET NX305 NAS PC



The safety advice in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The ALLNET NX305 NAS PC conforms to the Council Directives of 2011/65/EU and its subsequent amendments Directive (EU) 2015/863.

This equipment meets the following conformance standards:

Safety: EN 62368-1:2014+A11:2017
EMI: EN 55032:2015/A11:2020
EN IEC 61000-3-2:2019+A1:2021
EN 61000-3-3:2013+ A1:2019+A2:2021
ERP: EN55035:2017+ A11.2020
EN 61000-4-2:2009, EN IEC 61000-4-3:2020
EN 61000-4-4:2012, EN 61000-4-5:2014+A1:2017
EN 61000-4-6:2014, EN 61000-4-8:2010+A1:2017
EN 61000-4-11:2020

This equipment is intended to be operated in all countries.

This declaration is made by

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Germering, 20.05.2025


Wolfgang Marcus Bauer
CEO