Quick guide

Tiny-N100

ALLNET Mini PC 12GB Ram, 512GB SSD, Wifi 6, 3x USB 3.0

<u>ProductNo.: 240873</u>

Contents

Support &Help

For technical assistance, please contact us at .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:

At http://shop.allnet.de/ -> Search for article number CE

you will also find http://ce.allnet.de

Package contents

Please check the contents of the packaging before proceeding with the commissioning of the

display.

• ALLNET Tiny-N100 Mini PC

• 12V power supply unit

• Printed quick guide

• Mounting brackets for mounting Vesa

General information

Tiny-N100 Mini-PC with Intel N100, 12GB RAM and 512GB SSD
The compact **mini PC with Intel N100** is a powerful and versatile solution for everyday computing
tasks. With **12 GB RAM** and a fast **512 GB SSD**, it offers responsive performance for office
applications, Internet use, multimedia playback and light development tasks.
Thanks to its low energy consumption and quiet operation, it is ideal **for home offices, streaming,**
smart home applications and as a compact work PC. The integrated connections enable easy
expansion with monitors, peripheral devices and networks.

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 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:

GEFAHR

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

WARNUNG

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

VORSICHT

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

ACHTUNG

The signal word "*CAUTION*" indicates possible material damage.

HINWEIS

"**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 Internet address: http://ce.allnet.de and at the end of the instructions.

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The full text of the EU Declaration of Conformity is available at the following

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

EU contact details:

ALLNET GmbH Computersysteme Maistrasse 2

82110 Germering

Phone +49 (0)89 894 222 - 22

Fax +49 (0)89 894 222 - 33

Emailinfo@allnet.de

Disposal of the packaging

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 disposed of normal household waste, but must be handed in at a collection point for the recycling of electrical and electronic equipment. This is indicated by the symbol on the product, the instructions for use or the packaging. 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.

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

General security

⚠ ACHTUNG

The product is 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.

⊘ GEFAHR 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.

*   **⚠ ACHTUNG** Only use power supply units that approved for this device.
*   Do not connect the plug-in power supply until the installation has been completed correctly.
*   **⚠ ACHTUNG** 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 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 power cable so that no one can trip over it.
*   Plug the mains adapter fully into the socket.
*   **((ₐ)) WARNUNG** 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 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 device remains to the power supply even when it is switched off.

the mains adapter from the socket if the appliance is not to be used for a longer period of time.

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

((ᴘ)) WARNUNG 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.
- Replace any existing batteries only with the same or an equivalent battery. Battery type
- Do not use any appliances that are obviously defective. 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 device in a damp environment and not in the vicinity of

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 carried out on the appliance if it is disconnected from the power source. was separated.
- 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.

⚠ ACHTUNG Safety instructions for repair and maintenance

Safety instructions for repairing and maintaining the Mini PC

To ensure safe and proper maintenance or repair of the Mini PC, please observe the following safety instructions.

1. General safety instructions

⭕ **Disconnect the power supply:**

- **Switch off the Mini PC completely** and remove the mains cable before carrying out any maintenance or repairs.
- If the PC a battery, remove it as well (if possible).

⭕ **Avoid static discharge:**

- Wear an **antistatic wrist strap** or touch a grounded metal surface before touching internal components.
- Work on an **antistatic surface** to avoid damage caused by electrostatic discharge (ESD).

⭕ **Only use suitable tools:**

- Use suitable tools (e.g. screwdriver, plastic spatula) to avoid damaging the housing or circuit boards.

⭕ **Carefully open the housing:**

- Remove screws with care and take care not to damage any internal components.
- Only open the housing if this is permitted according to the manufacturer's instructions.

⭕ **Use original spare parts:**

- If components need to be replaced, only use components recommended by the manufacturer or compatible components.

2. Maintenance instructions

✓ **Regular cleaning:**

- Remove dust from ventilation slots with compressed air spray or a soft brush.
- Check the fan and cooling system regularly to prevent overheating.

✓ **Software and firmware updates:**

- Keep the operating system and firmware up to date to avoid security gaps.
- Only install official updates from the manufacturer.

✓ **Check cables and connections:**

- Regularly check the power supply unit, cables and connections for damage or wear.
- Replace damaged cables immediately.

3. Repair instructions

⚠ **No independent repairs for complex defects:**

- If the appliance no longer starts, has overheating problems or has defective components, contact customer service.
- Independent repairs to the main board or power supply unit can be dangerous.

⚠ **Note the guarantee:**

- Unauthorized opening or modification of the Mini-PC may invalidate the warranty.
- Check the warranty conditions before carrying out repairs.

⚠ **Do not use any liquids or chemicals:**

- Do not use damp cloths, cleaning agents or solvents for cleaning, as these can damage the electronics.

Important note:

If the Mini-PC no longer functions or if there is a serious defect, it is recommended that you contact an authorized specialist dealer or the manufacturer's support team.

👉 HINWEIS **Intended use**

The Mini PC is a compact computer designed for use in various application areas. It is particularly suitable for:

Permitted uses:

🟩 Office and home work:

Word processing, spreadsheets, presentations

Emails, video conferencing and other communication applications

🟩 Multimedia playback:

Streaming videos and music

Image and simple video editing

Connection to televisions or monitors for media center applications

🟩 Internet and cloud applications:

Surfing the Internet and online research

Access to cloud services and web applications

🟩 Light development and programming tasks:

Software development with development environments and code editors Use

for learning purposes and tests in programming environments

🟩 Smart home and IoT applications:

Control of smart home systems

Local server or automation tasks

🟩 Compact workstations or thin clients:

Use as a terminal for remote desktop applications

Simple CAD and design applications with moderate hardware requirements

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Non-intended use (prohibited use):

+ Use in safety-critical systems (e.g. medical devices, emergency and rescue systems)

+ High-performance gaming or professional 3D modeling if the hardware is not designed for it

+ Use in extreme environments (extreme heat, cold, high humidity, dusty or vibrating environments)

+ Industrial control or machine automation tasks without special adaptations

+ Modifications to the device or manipulation of the firmware without manufacturer approval

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Important note:

The Mini PC should always used in accordance with the technical specifications and the manufacturer's instructions. Deviations from the intended use can lead to damage to the device and invalidate warranty claims.

Operating conditions

The device 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
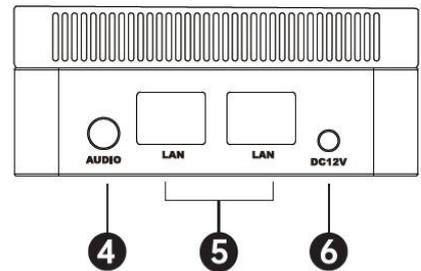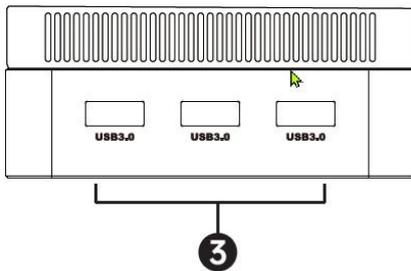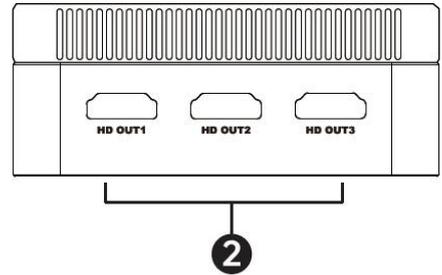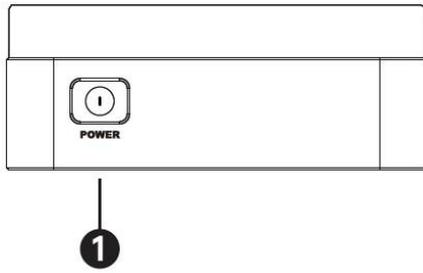
Humidity 20% - 80% non-condensing

Storage conditions:

Temperature -20° - +70°

Humidity 10% - 90% non-condensing

Plug-in power supply	
Manufacturer	
Type	YCT36-120300VF
Input voltage	100-240Vac
Input frequency	50/60Hz
Input current strength	0,8A
Output voltage	12V
Output current	3A
Output power	36W
Average efficiency in operation	89,00%
Efficiency at low load (10 %)	70,92%
Power consumption at no load	0.15W Max
Energy efficiency class	VI

Connections

1. Einschalttaste
2. HD OUT
3. USB-Anschluss

4. Audio-Buchse
5. Ethernet-Buchse
6. DC-Anschluss

⚠ To ensure safety and avoid hazards, we strongly recommend that you use the original power adapter for power supply.

*Die Spezifikationen sind abhängig von dem tatsächlichen Produkt.

Vesa mounting

KM4*8 screws

KM2.5*5 screws

VESA-Halterung

Befestigen Sie die Halterung mit Schrauben am Mini-PC.

Befestigen Sie die Halterung mit Schrauben an der Rückseite des Monitors.

Safety measures for use

To ensure safe and reliable use of your Mini PC, please observe the following instructions:

General precautions:

- Always keep the device up to date with the latest firmware and software to ensure security and performance improvements.
- Only clean the housing with a soft, dry cloth. Do not use aggressive chemical cleaning agents to avoid damaging the surface.
- Protect the appliance from direct heat, in particular from naked flames or high temperatures.
- Do not open the housing yourself and do not carry out any repairs yourself. Contact customer service if you have any problems.
- When cleaning the appliance, ensure that it remains completely dry to avoid the risk of electric shock or short circuit.
- Check regularly whether cables or plugs are worn or damaged. Replace defective components immediately.
- Dispose of the appliance in an environmentally friendly manner in accordance with local regulations for electronic waste.

Operating and storage conditions:

- **Recommended operating temperature:** 10°C to 45°C
- **Recommended humidity during operation:** 30% to 85%
- **Storage temperature:** -20°C to 60°C
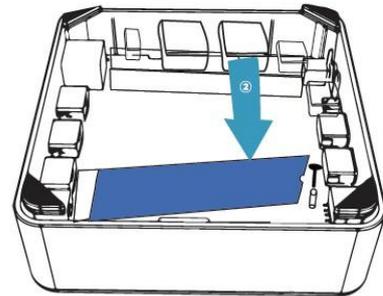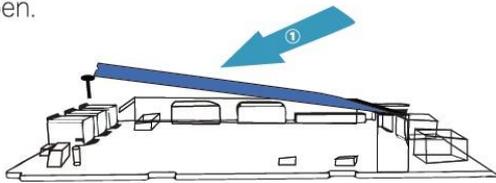- **Humidity during storage:** 10% to 90%

Installation of RAM and SSD:

- **Important note:** RAM and SSD may **only** be installed **when the power is switched off**. Ensure that the power supply is completely disconnected before replacing or installing components.
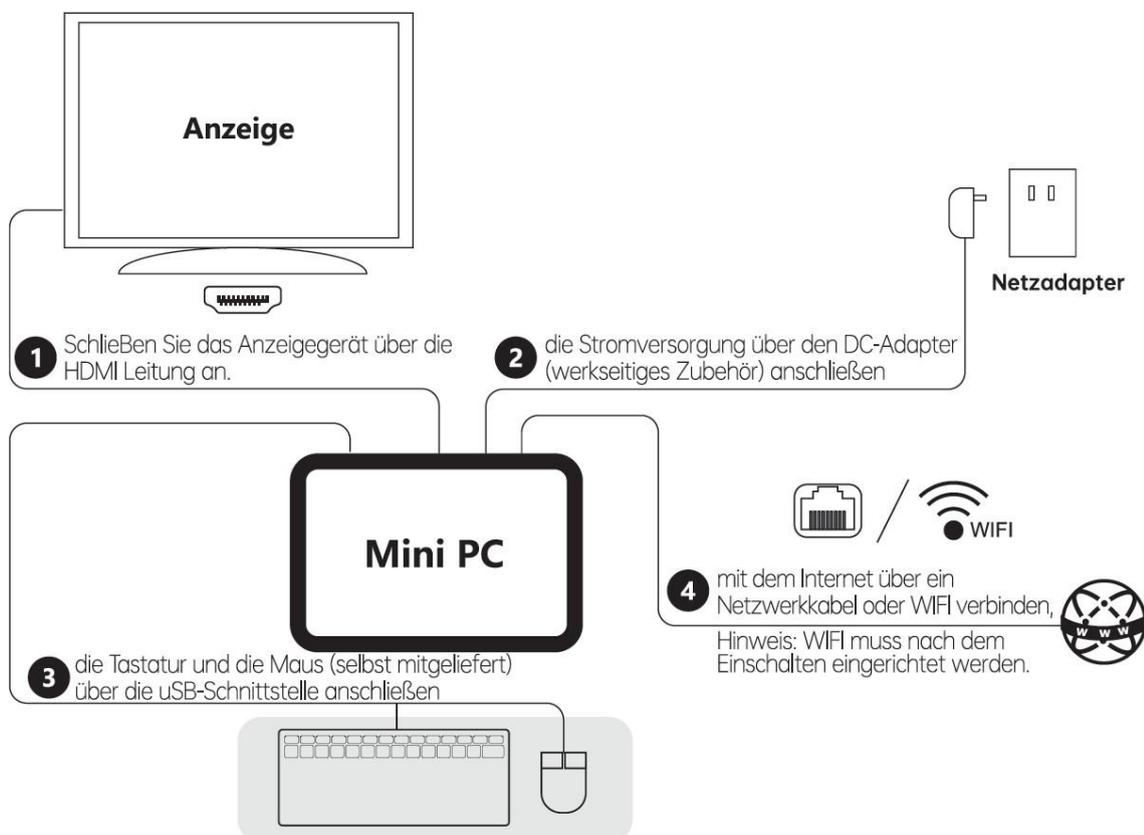

SSD-Installation (wie auf dem Bild dargestellt)

Richten Sie den Stecker der SSD auf den M.2-Steckplatz auf der Hauptplatine aus und schieben Sie die SSD dann vorsichtig hinein.
2. drücken Sie das andere Ende nach unten und befestigen Sie es mit Schrauben.

Quick installation

Anzeige

Netzadapter

Mini PC

① SchlieBen Sie das Anzeigegerät über die HDMI Leitung an.

② die Stromversorgung über den DC-Adapter (werkseitiges Zubehör) anschließen

④ mit dem Internet über ein Netzwerkkabel oder WIFI verbinden, Hinweis: WIFI muss nach dem Einschalten eingerichtet werden.

③ die Tastatur und die Maus (selbst mitgeliefert) über die uSB-Schnittstelle anschließen

Please note:

The operating system can Windows or Linux. Windows 11 is pre-installed without a license.

Starting the PC

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

After a successful power connection, the PC starts automatically.

Bios configuration:

To change settings in the Bios, press the "Del" button directly 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 Chipset in the tabs. Here will find an item where you can change the state from S5 to S0.

The following options are available for setting:

- Power on - PC starts automatically after power connection (preset)
- Power off - Pc remains off after power connection

Wake on Lan:

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

Click on Chipset in the tabs and then on PCH-IO Configuration. Here you will find the item "Wake on Lan" under "SATA and RST Configuration". This makes it possible to start the PC automatically via a Magic Packet 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.

CE

Declaration of Conformity

For the following equipment:

Germering, 18th of February, 2025

ALLNET Mini PC with 12GB RAM, 512GB SSD, Wifi6 and USB 3.0

ALL-Tiny-N100

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 ALL-Tiny-N 100 conforms to the Council Directives of 2014/53/EU.

This equipment meets the following conformance standards:

EMC 2014/30/EU	LVD 2014/35/EU
RoHS 2011/65/EU	2015/863/EU
EN IEC 62368-1:2020+A11:2020	EN IEC 62311:2020
ETSI EN 301489-1 v2.2.3(2019-11)	
Draft ETSI EN 301489-17 v3.2.6(2023-06)	EN 55035:2017+A11:2020
EN 55032:2015+A1:2020+A11:2020	
EN IEC 61000-3-2:2019+A1:2021+A2:2024	
EN 61000-3-3:2013+A1:2019+A2:2021+AC:2022-01	
ETSI EN 300328 v2.2.2(2019-07)	
IEC 62321-3-1:2013	IEC 62321-4:2013+AMD1:2017
IEC 62321-5:2013	IEC 62321-6:2015
IEC 62321-7-1:2015	IEC 62321-7-2:2017
IEC 62321-8:2017	

This equipment is intended to be operated in all countries.

This declaration is issued under the sole responsibility of the manufacturer:

ALLNET GmbH Computersysteme

Maistral3e 2

82110 Germering

Germany

Germering, 18.02.2025

Wolfgang Marcus Bauer