



NGC N713 / N512

INTEL MINI PC

WINDOWS 11 Pro (64-bit)

User Manual

Mini PC with 13th Generation Intel® Core™ i7 processors

Mini PC with 12th Generation Intel® Core™ i5 processors



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.



Connect to Wonderlife

Thank you for choosing MINIX products.
Please read this user manual carefully and keep it for future reference.

Contents



MINIX NGC N713-Aero



VESA Mount



20V/5A Adapter



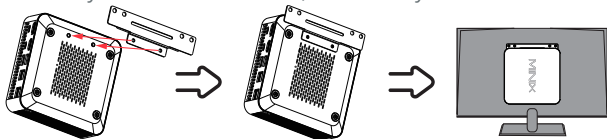
HDMI® Cable

Setup

The NGC N713 / N512 connects to a TV or PC monitor via HDMI® and USB-C ports.

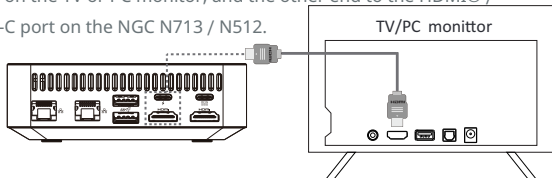
Step 1 (if required): Mount the VESA bracket on the monitor.

1. Insert the screws and secure them.
2. Securely attach the NGC N713 / N512 in any orientation.



Step 2: Connect the HDMI® / USB-C cable.

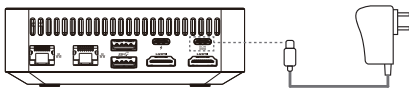
Connect one end of the HDMI® / USB-C cable to the HDMI® / USB-C port on the TV or PC monitor, and the other end to the HDMI® / USB-C port on the NGC N713 / N512.



Setup

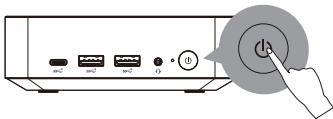
Step 3: Connect to the power supply.

Connect the included 20V 5A power adapter to the NGC N713 / N512.



Step 4: Turn on the device. (It powers on automatically when connected.)

Press and hold the power button for 1 second to turn on the NGC N713 / N512; the power indicator should then illuminate.



Step 5: Turn on the TV or PC monitor and select the input source.

Simply power on the TV or PC monitor and select the port connected to the NGC N713 / N512.

Specifications

	NGC N713	NGC N512
Processor	Intel® Core™ i7-13620H (24M Cache, up to 4.90 GHz)	Intel® Core™ i5-12600H (18M Cache, up to 4.50 GHz)
Graphics processor	Intel® UHD Graphics	Intel® Iris® Xe Graphics
RAM	32GB (16GB×2) DDR5-5200MHz	16GB DDR5-4800MHz
Drive	1TB M.2 2280 PCIe 4.0×4 SSD	512GB M.2 2280 PCIe 4.0×4 SSD
Memory slot	2×DDR5 SO-DIMM	
Drive slot	1× M.2 2280 PCIe 3.0×4 SSD (compatible with SATA 3.0 SSD)	
Ethernet	2×RJ-45 Ethernet (1×2.5G LAN + 1×GLAN)	
Connectivity	802.11ax Dual Band Wi-Fi 6 (2.4GHz/5GHz), BT 5.2	
Operating system	Windows 11 Pro	
Video output	2×HDMI 2.1 TMDS (4K 60Hz)	
	1×TBT4 (8K 60Hz)	
Audio output	3.5mm Audio Output Combo Jack	
USB ports	4×USB-A 3.2 Gen2	
	1×USB-C 3.2 Gen2 (DP,PD,DATA,Charge) + 1×TBT4	
Power supply	20.0V=5.0A 100W PD	

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The content of this guide may differ in certain details from the product or its software.

All information contained in this documentation is subject to change without prior notice.

This packaging is not a toy. To avoid the risk of suffocation, keep this packaging away from infants and children. Do not use this packaging in cribs, beds, strollers, or playpens.

Contact



Website: www.minix.com.hk

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EC

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☐ 003-180232

5.15-5.35 GHz: For indoor use only

☐ D180131003

Warnings and Safety Information

All information regarding product use is located in the user manual. Before using the product, please read the manual thoroughly and follow the provided instructions. Also review the following information prior to use: Usage Warnings

- Connect routers, switches, and other network devices only to outlets with the correct voltage and current rating as specified by the manufacturer.
- Avoid placing devices in confined spaces without adequate ventilation – overheating may lead to malfunction.
- Always use suitable network cables (e.g., RJ45 cables compliant with CAT5E or CAT6 standards). Using low-quality cables may affect connection stability.
- Protect devices from moisture and water. If the device comes into contact with liquid, immediately disconnect it from the power supply and contact the manufacturer's service center.
- Avoid overloading connected accessories (e.g., RJ45 plugs, USB adapters) by using devices and cables that comply with standards.
- Protect delicate components, such as plug covers or keystone jacks, from mechanical damage – breaking them can cause connectivity problems.
- When handling network cables and connectors, avoid pulling them at an angle – always disconnect them in a straight line to prevent pin damage or connector deformation.
- Do not apply excessive amounts of thermal paste – applying it according to the manufacturer's recommendations minimizes the risk of short circuits and component overheating.

Network security threat:

- Secure Wi-Fi access by using a strong password and encryption (WPA2/WPA3). Insufficient security may result in unauthorized network access.
- Regularly update router and switch firmware to protect the network from external threats.

Compatibility risk:

- Before purchasing, ensure that accessories are compatible with your hardware (e.g., connector types, network standards, or dimensions).
- For USB switches or Wi-Fi devices, always check their maximum bandwidth to prevent reduced performance of the network or devices.

Hazard to children:

- Small parts, such as modular RJ45 plugs or connector covers, may pose a choking hazard to children. Keep accessories out of the reach of children.
- Thermal paste and other chemical materials must be kept out of the reach of children – they are not intended for use without adult supervision.

Environmental hazard:

- All products in this category, including routers, switches, and network accessories, must be disposed of at designated electronic waste collection points in accordance with local waste disposal regulations. Proper disposal helps protect the environment from pollution.

Information on correct use Recommendations for use:

- When installing RJ45 cable plug covers, ensure they are appropriately matched to the cable type to avoid damage to both the cable and the cover.
- When using USB switches or LAN switches, ensure the device has sufficient ventilation and is not covered.
- Install RJ45 modular plugs using dedicated crimping tools to ensure connection durability and prevent internal damage.
- When applying thermal paste, ensure that the surfaces of both the processor and the heatsink are clean and degreased.

Maintenance and storage:

- Regularly clean devices such as routers and switches with a soft, dry cloth to remove dust from ventilation openings and ports.
- Store chemical components, such as thermal paste, in a dry, cool place and in their original packaging.
- Store cables and network connectors in dedicated organizers to prevent tangling and connector damage.

Additional Precautions User Customization:

- Select accessories suitable for your needs – for example, switches with the appropriate number of ports, modular plugs conforming to CAT5E/CAT6 standards, or compatible plug covers.
- When using accessories in an office setting, choose products with enhanced durability, such as reinforced keystone jack sockets.

Damage and service:

- In the event of mechanical damage, such as broken plugs, damaged sockets, or excessive device overheating, discontinue use immediately.
- Do not attempt to repair damaged accessories by yourself – contact an authorized service center of the manufacturer.
- Replace all damaged cables and accessories with original parts recommended by the manufacturer.

Declaration of Conformity

The products have been designed in accordance with the safety requirements specified in Regulation (EU) 2023/988. They comply with the applicable technical standards, including those related to user safety, electromagnetic compatibility, and environmental protection.

SIMPLIFIED EU DECLARATION OF CONFORMITY

MINIX Technology Limited hereby declares that the radio device model NGC N713 / N512 complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following website: <https://files.innpro.pl/minix>

Manufacturer's address: FLAT/RM 01, 15/F, Chevalier Commercial Center, No. 8 Wang Hoi Road, Kowloon Bay, Kowloon, Hong Kong

Radio frequency: WiFi 2.4G: 2400–2483 MHz; WiFi 5G: 5150–5725 MHz; BT: 2400–2483 MHz

Maximum radio frequency power: ≤ 23 dBm

Importer: INNPRO Robert Błędowski sp. z o.o., ul.

Rudzka 65c, 44-200 Rybnik, Poland

Tel. +48 533 234 303

hurtt@innpro.pl www.innpro.pl

Environmental Protection

Used electronic equipment marked in accordance with the European Union directive must not be disposed of together with other municipal waste. It is subject to selective collection and recycling at designated collection points. By ensuring its proper disposal, you prevent potential negative impacts on the natural environment and human health. The system for collecting used equipment complies with locally applicable environmental protection regulations regarding waste disposal. Detailed information on this subject can be obtained from the municipal office, the sanitation service, or the store where the product was purchased.

The product complies with the directives of the European Union's New Approach, concerning user safety, health protection, and environmental protection, which specify the hazards that must be identified and eliminated.

This document is a translation of the original user manual provided by the manufacturer.

Detailed information regarding the warranty terms from the distributor/manufacturer is available at <https://serwis.in-npro.pl/gwarancja>

The product must be regularly maintained (cleaned) either by the user or through authorized service centers, at the user's expense and responsibility. If the user manual does not specify required periodic maintenance or service actions, the physical condition of the product should be checked regularly, at least once a week, to identify any deviation from that of a physically new product. If any deviation is detected or observed, maintenance (cleaning) or service must be carried out immediately. Failure to perform proper maintenance (cleaning) and to respond promptly upon detecting any deviation may cause permanent damage to the product. The guarantor is not responsible for damages resulting from neglect