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- › [GMKtec](#) /
- › [GMKtec G3 Plus Mini PC User Manual](#)

GMKtec G3 PLUS

GMKtec G3 Plus Mini PC User Manual

Model: G3 PLUS

INTRODUCTION

This manual provides detailed instructions for the setup, operation, maintenance, and troubleshooting of your GMKtec G3 Plus Mini PC. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize your user experience.



Image: The GMKtec G3 Plus Mini PC, displaying its compact design and various connectivity ports on the front and rear panels.

PACKAGE CONTENTS

Verify that all items listed below are present in your product packaging. If any items are missing or damaged, please contact GMKtec customer support.

- GMKtec Nucbox G3 Plus Mini PC (16GB RAM, 256GB SSD)
- VESA Mount with Screws
- HDMI Cable
- Power Adapter
- User Manual (this document)

RETAIL BOXED PACKAGING

1.Nucbox G3 Mini PC

4.HDMI Cable

2.Power Adapter & Cable

5.VESA Mount with Screws

3.User Manual

6.Warranty Card



Image: All components included in the retail packaging for the GMKtec G3 Plus Mini PC, including the mini PC, power adapter, HDMI cable, VESA mount, and user manual.

SETUP INSTRUCTIONS

1. **Connect to a Display:** Use the provided HDMI cable to connect the Mini PC to a monitor, TV, or projector. The device supports dual 4K@60Hz displays.
2. **Connect Peripherals:** Connect your keyboard, mouse, and other USB devices to the available USB 3.2 ports.

3. Network Connection:

- **Wired:** Connect an Ethernet cable to the 2.5GbE RJ45 port for a wired network connection.
- **Wireless:** The Mini PC supports WiFi 6. Once powered on, you can configure the wireless connection through the operating system settings.

4. **Power On:** Connect the power adapter to the DC 12V 3A port on the Mini PC, then plug the adapter into a power outlet. Press the power button on the front of the device.

5. **Initial Boot:** The system will boot up. Follow the on-screen instructions for the initial setup of the operating system (e.g., OS Pro).

RICH INTERFACE



Monitor



TV



Audio



Display



NAS



Printer



Projector

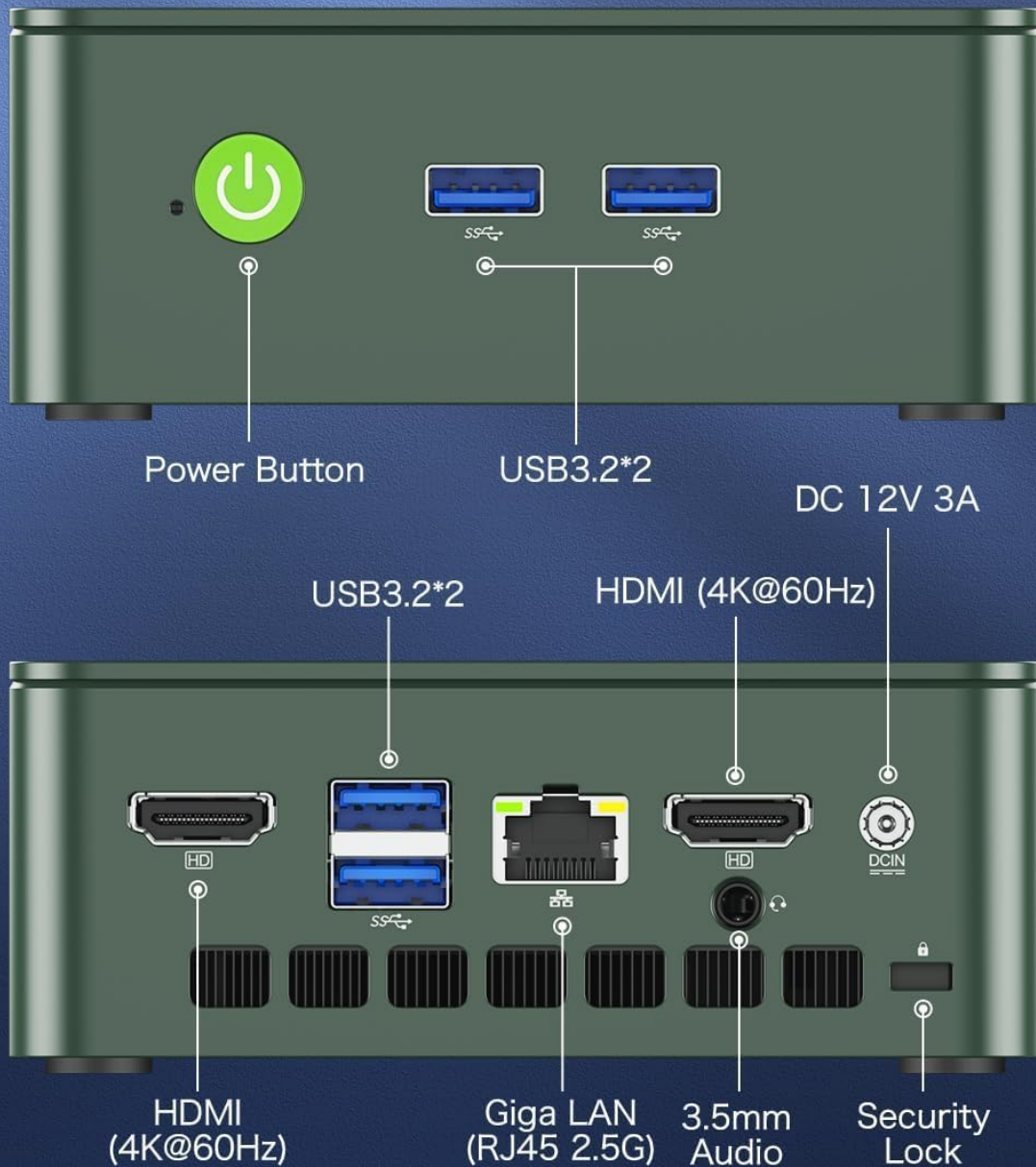


Image: A detailed diagram illustrating the various ports on the GMKtec G3 Plus Mini PC, including USB 3.2, HDMI, Giga LAN (RJ45 2.5G), 3.5mm Audio, DC 12V 3A power input, and security lock slot.

OPERATING INSTRUCTIONS

Power Management

- **Power On:** Press the power button on the front panel.

- **Shut Down:** Use the operating system's shutdown function. Do not unplug the power adapter directly without proper shutdown to prevent data loss.
- **Restart:** Use the operating system's restart function.
- **Sleep Mode:** The device can enter sleep mode via the operating system.
- **Wake On LAN (WoL):** This feature allows the Mini PC to be powered on remotely over a network. Ensure it is enabled in the BIOS/UEFI settings and configured in your network environment.
- **Auto Power On:** The device can be configured to automatically power on when power is supplied. This setting is typically found in the BIOS/UEFI.

Connecting to Displays

The GMKtec G3 Plus supports dual display output via its two HDMI 2.0 ports. Each port can support up to 4K resolution at 60Hz.

- Connect your primary display to one HDMI port.
- Connect your secondary display to the other HDMI port.
- Configure display settings (extend, duplicate, or primary only) within your operating system.

DUAL SCREEN UHD DISPLAY

Enjoy 4K@60Hz Ultra HD Entertainment



HDMI 2.0 x2



Image: The GMKtec G3 Plus Mini PC demonstrating its dual 4K@60Hz display capability by being connected to two separate monitors, extending the desktop across both screens.

Network and Bluetooth

- **WiFi 6:** Provides high-speed wireless connectivity. Access network settings in your OS to connect to available Wi-Fi networks.
- **Bluetooth 5.2:** Allows connection to various wireless peripherals such as keyboards, mice, and audio devices. Pair devices through the Bluetooth settings in your OS.

- **2.5GbE Ethernet:** For a stable and high-speed wired network connection, plug an Ethernet cable into the RJ45 port.

SUPER SPEED WI-FI 6

Tap into faster WiFi speeds with Dual-Band WiFi6 2*2 2400Mbps

WiFi 6

Bluetooth 5.2

3 TIMES FASTER THAN WIFI5

	Wi-Fi 6	Wi-Fi 5
Higher Bandwidth	1.2Gbps	433Mbps
Lower Latency	10 ms	30ms
Higher Coverage	X*130%	X/S

Image: An illustration emphasizing the GMKtec G3 Plus Mini PC's support for WiFi 6 and Bluetooth 5.2, showing improved speed and connectivity compared to older standards.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the Mini PC. Avoid liquid cleaners directly on the device. Use

compressed air to clear dust from vents periodically.

- **Ventilation:** Ensure the cooling vents are not obstructed to prevent overheating. Maintain adequate space around the device for airflow.
- **Software Updates:** Regularly update your operating system and drivers to ensure optimal performance and security.
- **Data Backup:** Periodically back up important data to an external drive or cloud storage.
- **Storage Expansion:** The Mini PC supports an additional M.2 2242 SATA SSD (not included) for storage expansion, up to 2TB. Refer to the internal components diagram for location.

PREMIUM PARTS & DESIGN

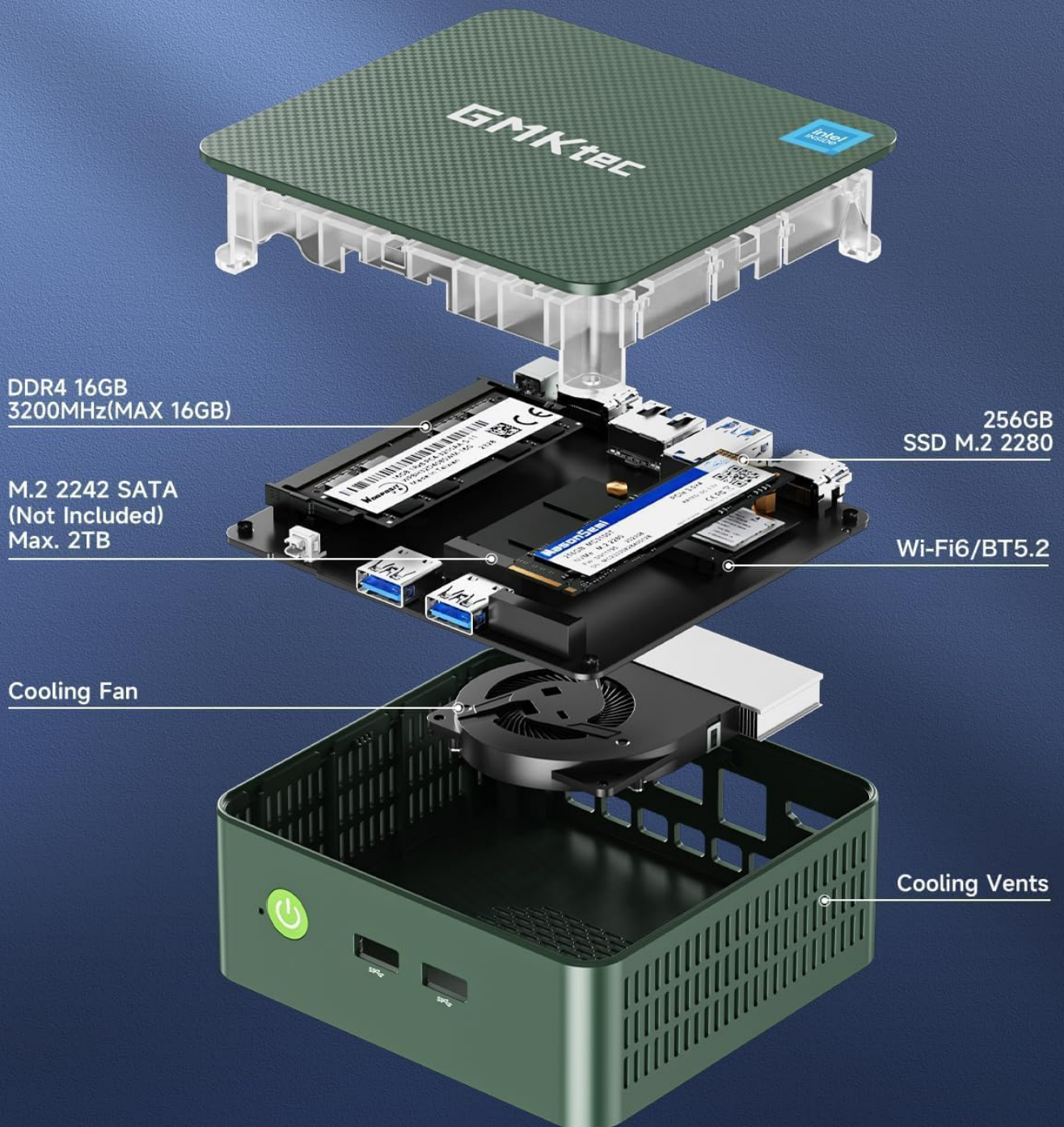


Image: An exploded view diagram of the GMKtec G3 Plus Mini PC, showing its internal components such as the DDR4 RAM, 256GB SSD, M.2 2242 SATA slot, cooling fan, and cooling vents.

TROUBLESHOOTING

- **No Power:**
 - Ensure the power adapter is securely connected to both the Mini PC and a working power outlet.
 - Verify the power outlet is functional by testing with another device.
- **No Display:**
 - Check HDMI cable connections at both the Mini PC and the monitor.
 - Ensure the monitor is powered on and set to the correct input source.
 - Try a different HDMI cable or monitor if available.
- **No Internet Connection:**
 - For wired connection, ensure the Ethernet cable is properly connected and your router is working.
 - For wireless connection, check Wi-Fi settings in the OS, ensure Wi-Fi is enabled, and you are connected to the correct network with the correct password.
 - Restart your router/modem.
- **Slow Performance:**
 - Close unnecessary applications running in the background.
 - Check for available operating system updates.
 - Ensure adequate ventilation to prevent thermal throttling.
 - Run a disk cleanup or defragmentation tool (if applicable to your OS/storage type).

If you encounter issues not covered here, please refer to the support section for further assistance.

SPECIFICATIONS

Feature	Specification
Model	G3 PLUS
Processor	Intel Twin Lake N150 (4 Cores, 4 Threads, 6MB Cache, up to 3.6GHz)
RAM	16GB DDR4 (3200 MHz)
Storage	256GB PCIe 3.0 M.2 2280 NVMe SSD (Expandable with M.2 2242 SATA SSD up to 2TB)
Graphics	Intel Graphics (max 1000MHz), supports 4K video playback and AV1 decoding
Video Output	2 x HDMI 2.0 (4K@60Hz Dual Display)
USB Ports	4 x USB 3.2 (up to 5Gbps/S)
Audio	1 x 3.5mm Audio Jack
Network	WiFi 6 (802.11ax, up to 600Mbps) Bluetooth 5.2 1 x RJ45 2.5GbE Ethernet (Intel i226v)
Operating System	OS Pro (Compatible with Linux, Proxmox, Ubuntu, ESXI VMware)

Feature	Specification
Special Features	Wake On LAN, PXE Boot, RTC Wake, Auto Power On
Power Input	DC 12V 3A
Dimensions (Package)	6.42 x 6.18 x 4.09 inches
Weight (Item)	1.98 pounds

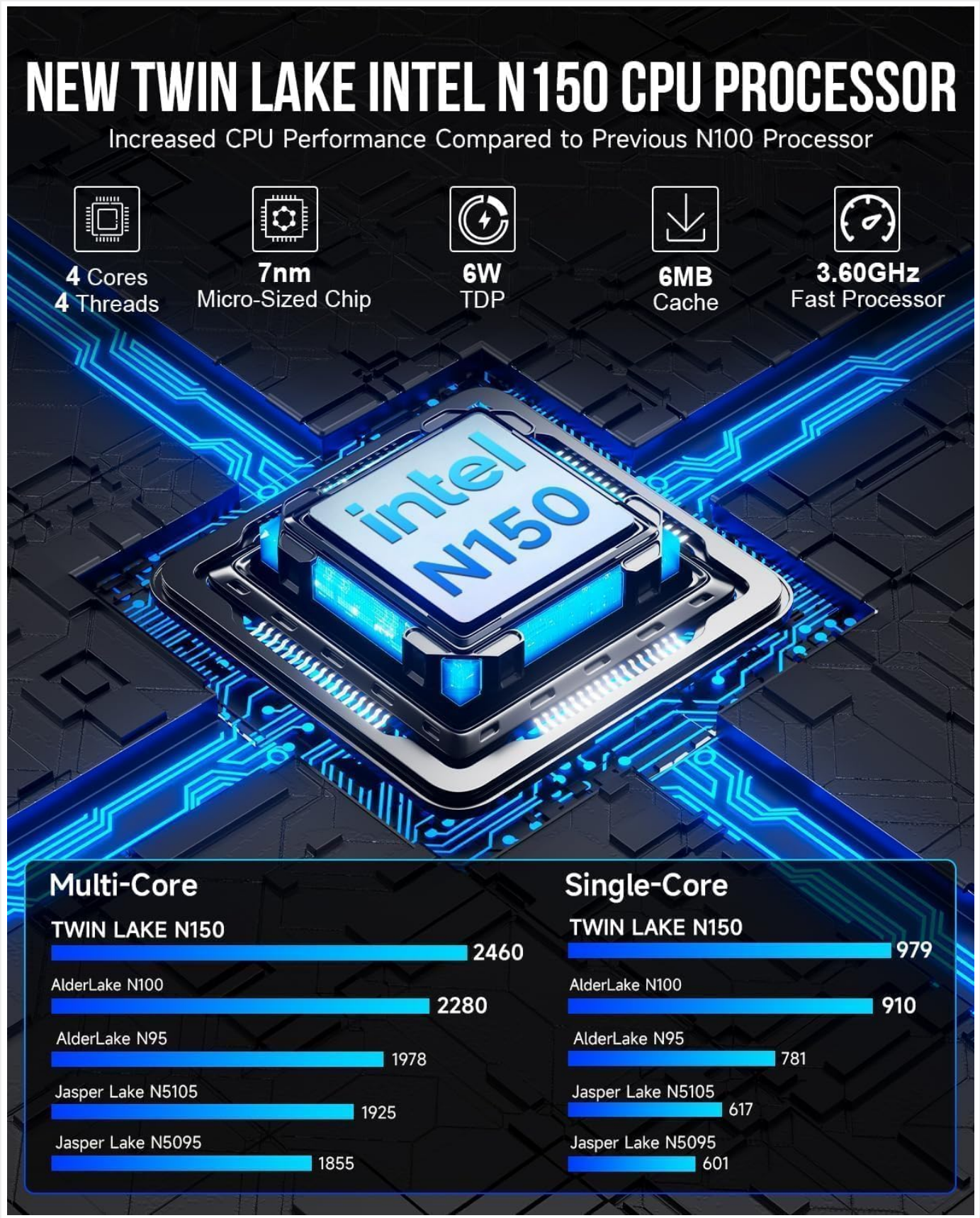


Image: A graphic detailing the specifications and performance improvements of the Intel Twin Lake N150 CPU compared to previous generations like N100 and N95.



Image: A visual representation of the 2.5G High Speed Ethernet performance, showing read-write and transmission speeds compared to 1000Mbps Ethernet.

WARRANTY INFORMATION

GMKtec provides a **1-year limited warranty** for the G3 Plus Mini PC, effective from the date of purchase. This warranty covers

defects in design and workmanship. Please retain your proof of purchase for warranty claims.
The warranty does not cover damage caused by:

- Accident, abuse, misuse, or improper installation.
- Unauthorized repairs or modifications.
- Power surges or electrical issues not related to the device itself.
- Natural disasters or acts of God.

SUPPORT

For technical assistance, warranty claims, or any questions regarding your GMKtec G3 Plus Mini PC, please contact our professional after-sales team.

- **Email Support:** support@gmktec.com
- **Online Support:** Visit the official GMKtec website for FAQs and additional resources.

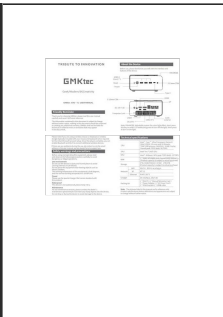
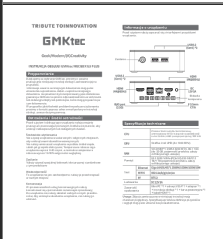
When contacting support, please provide your product model (G3 PLUS) and a detailed description of the issue.



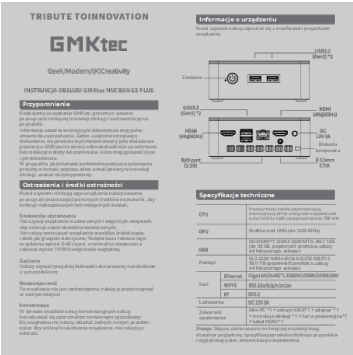
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Related Documents - G3 PLUS

	<p>GMKtec NUCBOX7/7S User Manual</p> <p>User manual for the GMKtec NUCBOX7 and NUCBOX7S mini PCs, detailing specifications, safety precautions, connection steps, and after-sales support.</p>
	<p>GMKtec NUCBOX G2 PLUS User Manual and Safety Information</p> <p>Comprehensive user manual for the GMKtec NUCBOX G2 PLUS mini PC, covering setup, specifications, safety precautions, and warranty information. Includes detailed descriptions of hardware interfaces and operational guidelines.</p>
	<p>GMKtec M6 Mini PC User Manual</p> <p>Comprehensive user manual for the GMKtec M6 Mini PC, detailing specifications, setup, operation, and troubleshooting for this compact desktop computer powered by AMD R5 6600H.</p>
	<p>GMKtec NUCBOX7/7S User Manual - Setup, Specifications, and Support</p> <p>Comprehensive user manual for GMKtec NUCBOX7 and NUCBOX7S mini PCs, covering setup, technical specifications, safety precautions, and warranty information.</p>

	<p>GMKtec EVO-T1 Mini PC User Manual: Specifications and Setup Guide</p> <p>Comprehensive user manual for the GMKtec EVO-T1 Mini PC, detailing technical specifications, connection steps, BIOS settings, power modes, safety precautions, and compliance information.</p>
	<p>GMKtec NUCBOX G3 PLUS User Manual and Specifications</p> <p>Comprehensive user manual for the GMKtec NUCBOX G3 PLUS mini PC, covering setup, specifications, safety precautions, and warranty information. Includes detailed descriptions of hardware interfaces and technical details.</p>

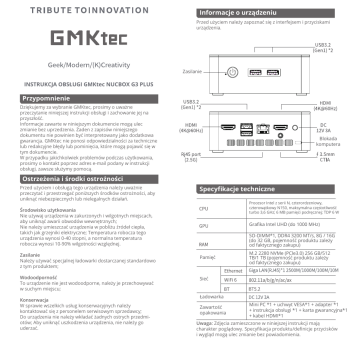
Documents - GMKtec – G3 PLUS



[GMKtec NUCBOX G3 PLUS User Manual and Specifications](#)

Comprehensive user manual for the GMKtec NUCBOX G3 PLUS mini PC, covering setup, specifications, safety precautions, and warranty information. Includes detailed descriptions of hardware interfaces and technical details.

lang:pl **score:31** filesize: 825.34 K page_count: 3 document date: 2025-03-31



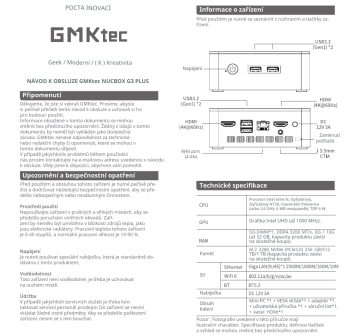
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Instrukcja obsługi |||

Informacje o urz dzeniu Przed u yciem nale y zapozna si z interfejsem i przyciskami urz dzenia. INSTRUKCJA OBS UGI GMKtec NUCBOX **G3 PLUS** Przypomnienie Dzi kujemy za wybranie GMKtec, prosimy o uwa ne przeczytanie niniejszej instrukcji obs ugi i zachowanie jej na przysz o . Informacje...

lang:pl **score:29** filesize: 825.34 K page_count: 3 document date: 2025-03-31

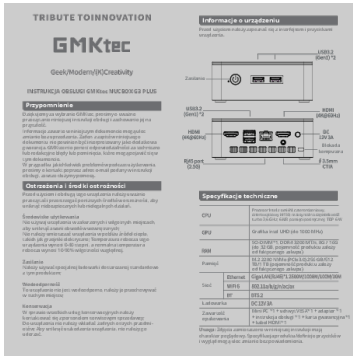


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POCTA INOVAC Informace o za zen P ed pou it m je nutn se sezn mit s rozhran m a tla tky za zen . Geek / Modern / K Kreativita N VOD K OBSLUZE GMKtec NUCBOX **G3 PLUS** P ipomenut D kujeme, e jste si vybrali GMKtec. Pros me, abyste si pe liv p e etli tento n vod...

lang:it **score:29** filesize: 9.43 M page_count: 5 document date: 2025-07-08



[Instrukcja Obsługi GMKtec NUCBOX G3 PLUS - Mini PC](#)

Szczegółowa instrukcja obsługi dla mini PC GMKtec NUCBOX G3 PLUS. Zawiera informacje o specyfikacjach, podłączeniu, bezpieczeństwie i konserwacji.

lang:pl **score:25** filesize: 823.52 K page_count: 3 document date: 2025-03-31

[Computer Components and Peripherals Pricelist - March](#)

A comprehensive pricelist of computer components including Intel and AMD motherboards, CPUs, graphics cards, RAM, SSDs, power supplies, casings, cooling solutions, routers, adapters, switches, IP cameras, webcams, keyboards, mice, combos, speakers, headsets, and mini PCs. Includes pricing and specifications for various models from brands like ASUS, Gigabyte, MSI, Cooler Master, Corsair, Logitech, and more.

lang:i-klngon **score:12** filesize: 998.75 K page_count: 2 document date: 2025-02-28

[Global Cybermind Technologies - PC Hardware Price List](#)

Global Cybermind Technologies offers a comprehensive price list for a wide range of PC hardware components, including SSDs, CPUs, GPUs, motherboards, RAM, power supplies, cases, and peripherals. Updated prices and specifications for building or upgrading your computer.

lang:i-klngon **score:12** filesize: 1000.13 K page_count: 2 document date: 2025-02-12

This is a thumbnail of a price list table. It contains multiple columns with headers such as 'ITEM NO.', 'DESCRIPTION', 'UNIT', and 'PRICE'. The table lists various computer components and their corresponding prices.

[Global Cybermind Technologies Pte Ltd - Computer Hardware & Electronics Price List](#)

Comprehensive price list from Global Cybermind Technologies Pte Ltd featuring a wide range of computer components including SSDs, CPUs, motherboards, graphics cards, RAM, power supplies, cases, and peripherals. Updated pricing available.

lang:i-klngon **score:12** filesize: 1002.14 K page_count: 2 document date: 2025-03-21

This is a thumbnail of a price list table. It contains multiple columns with headers such as 'ITEM NO.', 'DESCRIPTION', 'UNIT', and 'PRICE'. The table lists various computer components and their corresponding prices.

[Global Cybermind Technologies - Computer Components Price List \(March\)](#)

A comprehensive price list for a wide range of computer hardware components, including CPUs, motherboards, graphics cards, RAM, storage, power supplies, cases, cooling solutions, networking equipment, peripherals, and pre-built mini PCs from Global Cybermind Technologies. Prices are listed as of March.

lang:i-klngon **score:12** filesize: 1000.19 K page_count: 2 document date: 2025-03-12

This is a thumbnail of a price list table. It contains multiple columns with headers such as 'ITEM NO.', 'DESCRIPTION', 'UNIT', and 'PRICE'. The table lists various computer components and their corresponding prices.

[Global Cybermind Technologies Pte Ltd - Computer Hardware Price List](#)

A comprehensive price list for computer components, peripherals, and systems from Global Cybermind Technologies Pte Ltd, Singapore. Features a wide range of products including SSDs, CPUs, GPUs, motherboards, RAM, power supplies, cases, networking equipment, and more, updated as of April 2025.

lang:i-klngon **score:12** filesize: 1000.64 K page_count: 2 document date: 2025-04-01

This is a thumbnail of a large, multi-column table. The table lists various PC components such as CPUs, motherboards, RAM, and storage devices. Each row contains detailed specifications and pricing information. The table is organized into several sections, likely corresponding to different product categories.

[Intel and AMD Motherboards, CPUs, Graphics Cards, RAM, Storage, and Peripherals Price List](#)

A comprehensive price list for Intel 10th to 14th Gen and Intel Ultra motherboards and CPUs, AMD Ryzen 5000, 7000, 8000, and 9000 series CPUs and motherboards. Also includes NVIDIA GeForce and AMD Radeon graphics cards, various types of RAM (SODIMM, DDR4, DDR5), internal SSDs (SATA, M.2 Gen 3, M.2 Gen 4, M.2 2242, M.2 2230), Power Supply Units (ATX, SFX/SFX-L), PC Casings (E-ATX/ATX, M-ATX, ITX), CPU Coolers (Air, Water), Case Fans, Routers, Adapters, Switches, IP Cameras, Webcams, Keyboards, Mice, Keyboard and Mouse Combos, Desktop Speakers, BT Speakers, Headsets, and Software (Microsoft Office, Windows). Prices are updated as of 07/03/2025 and subject to change.

lang:i-klngon **score:12** filesize: 618.56 K page_count: 2 document date: 2025-03-08

This is a thumbnail of a large, multi-column table. The table lists various PC components such as CPUs, motherboards, RAM, and storage devices. Each row contains detailed specifications and pricing information. The table is organized into several sections, likely corresponding to different product categories.

[Global Cybermind Technologies - PC Components Price List & Catalog](#)

Explore the latest PC components from Global Cybermind Technologies. This catalog features a wide selection of CPUs, motherboards, graphics cards, RAM, storage, power supplies, cases, and peripherals from leading brands like Intel, AMD, NVIDIA, ASUS, Gigabyte, MSI, and more.

lang:i-klngon **score:12** filesize: 1002.23 K page_count: 2 document date: 2025-05-09

This is a thumbnail of a large, multi-column table. The table lists various PC components such as CPUs, motherboards, RAM, and storage devices. Each row contains detailed specifications and pricing information. The table is organized into several sections, likely corresponding to different product categories.

[Global Cybermind PC Components & Peripherals Catalog](#)

Discover a wide range of PC components and peripherals from top brands like Intel, AMD, ASUS, NVIDIA, and more at Global Cybermind. Browse CPUs, GPUs, motherboards, SSDs, RAM, cases, and accessories.

lang:fr **score:12** filesize: 1.49 M page_count: 2 document date: 2025-05-23

This is a thumbnail of a comprehensive price list for various computer components. The document is organized into multiple columns, likely representing different categories of hardware such as CPUs, GPUs, RAM, and storage. It includes detailed specifications and pricing for a wide range of products from major brands like Intel, AMD, ASUS, and Gigabyte. The layout is dense with text and small images of components.

[Computer Components and Systems Price List](#)

A comprehensive price list for various computer components including Intel and AMD motherboards, CPUs, graphics cards, RAM, storage, power supplies, casings, cooling solutions, networking equipment, peripherals, and pre-built mini PCs. Includes pricing and specifications for a wide range of products from brands like ASUS, Gigabyte, MSI, Corsair, Logitech, and more.

lang:i-klngon **score:12** filesize: 998.95 K page_count: 2 document date: 2025-03-09

This is a thumbnail of a computer components price list document. It features a detailed table of computer hardware including CPUs, GPUs, RAM, SSDs, motherboards, power supplies, and casings. The document provides pricing and specifications for various models from Intel, AMD, NVIDIA, and other leading manufacturers. The layout is structured with multiple columns for easy comparison of different components.

[Global Cybermind Technologies Pte Ltd - Computer Components and Systems Pricelist](#)

Explore the latest pricelist from Global Cybermind Technologies Pte Ltd, featuring a wide range of computer components including CPUs, GPUs, RAM, SSDs, motherboards, power supplies, and casings. Find deals on Intel and AMD processors, NVIDIA and AMD graphics cards, and various peripherals.

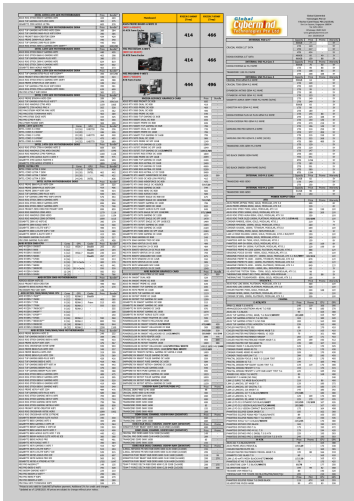
lang:de **score:12** filesize: 1.14 M page_count: 2 document date: 2025-06-06

This is a thumbnail of a computer components price list document. It details a wide range of computer hardware including CPUs, GPUs, motherboards, storage, power supplies, cases, cooling solutions, and peripherals. The list features products from leading brands like Intel, AMD, ASUS, Gigabyte, MSI, Corsair, and more, with pricing and specifications provided for each item. The document is organized into a clear, multi-column format.

[Global Cybermind Technologies Pte Ltd - Computer Components Pricelist](#)

A comprehensive pricelist from Global Cybermind Technologies Pte Ltd detailing a wide range of computer components including CPUs, GPUs, motherboards, storage, power supplies, cases, cooling solutions, and peripherals. The list features products from leading brands like Intel, AMD, ASUS, Gigabyte, MSI, Corsair, and more, with pricing and specifications.

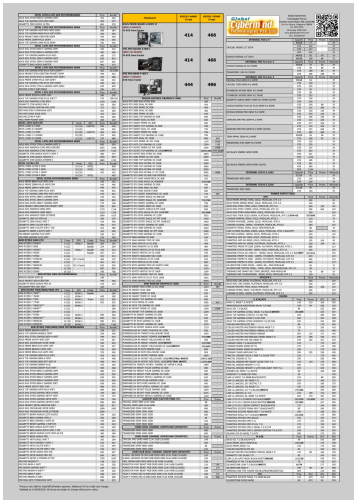
lang:fr **score:12** filesize: 1.24 M page_count: 2 document date: 2025-07-22

A thumbnail image of a document titled "Global Cybermind Technologies". It appears to be a price list or catalog for computer hardware. The document is organized into several columns, likely representing different product categories or specifications. The text is small and dense, typical of a technical price list.

[Global Cybermind Technologies: Comprehensive Computer Hardware and Peripherals Price List](#)

Explore the latest pricing and specifications for a wide array of computer components and peripherals from Global Cybermind Technologies. This catalog features SSDs, RAM, CPUs, motherboards, graphics cards, power supplies, PC cases, networking equipment, and various accessories, updated as of August 2025.


lang:fr **score:12** filesize: 1.24 M page_count: 2 document date: 2025-08-13

A thumbnail image of a document titled "Global Cybermind PC Component Pricelist". It is a detailed list of PC components such as CPUs, GPUs, SSDs, RAM, motherboards, power supplies, and cases. The layout is structured with multiple columns for component details, pricing, and specifications. The document is dated 2025-09-28.

[Global Cybermind PC Component Pricelist - Latest Deals & Specifications](#)

Comprehensive pricelist from Global Cybermind Technologies featuring a wide range of PC components including CPUs, GPUs, SSDs, RAM, motherboards, power supplies, and cases. Updated prices and specifications.

lang:de **score:12** filesize: 1.26 M page_count: 2 document date: 2025-09-28

A thumbnail image of a document titled "Global Cybermind Technologies Pte Ltd - Computer Components Pricelist". This document lists various computer components including CPUs, GPUs, motherboards, RAM, SSDs, power supplies, and PC cases. It provides detailed specifications and prices for building a high-performance computer. The document is dated 2024-12-20.

[Global Cybermind Technologies Pte Ltd - Computer Components Pricelist](#)

Explore the latest pricelist from Global Cybermind Technologies Pte Ltd, featuring a wide range of computer components including CPUs, GPUs, motherboards, RAM, SSDs, power supplies, and PC cases. Find detailed specifications and prices for building your next high-performance computer.

lang:i-klngon **score:11** filesize: 1001.23 K page_count: 2 document date: 2024-12-20

A screenshot of a large, multi-column spreadsheet titled "Global Cybermind Technologies: PC Component Catalog & Pricing". The spreadsheet is organized into several sections, each with a header row. The sections include: "CPU", "GPU", "Motherboard", "RAM", "SSD", "Power Supply", "Case", "Peripheral", and "Total". Each section contains a list of products with their respective specifications and prices. The "Total" section at the bottom provides a summary of the total cost for each category.

[Global Cybermind Technologies: PC Component Catalog & Pricing](#)

Explore a comprehensive catalog of PC components and peripherals from Global Cybermind Technologies, featuring top brands like Intel, AMD, NVIDIA, ASUS, GIGABYTE, and MSI. View detailed product listings and pricing for CPUs, GPUs, motherboards, RAM, SSDs, and more.

lang:i-klngon **score:11** filesize: 1002.7 K page_count: 2 document date: 2025-01-10

A screenshot of a large, multi-column spreadsheet titled "Global Cybermind Technologies: PC Components, CPUs, GPUs, RAM, Peripherals Price List". The spreadsheet is organized into several sections, each with a header row. The sections include: "CPU", "GPU", "Motherboard", "RAM", "SSD", "Power Supply", "Case", "Peripheral", and "Total". Each section contains a list of products with their respective specifications and prices. The "Total" section at the bottom provides a summary of the total cost for each category.

[Global Cybermind Technologies: PC Components, CPUs, GPUs, RAM, Peripherals Price List](#)

Browse the latest prices and specifications for a wide range of PC components including Intel and AMD CPUs, NVIDIA and AMD GPUs, DDR4/DDR5 RAM, SSDs, power supplies, cases, and essential peripherals from leading brands.

lang:i-klngon **score:11** filesize: 999.43 K page_count: 2 document date: 2024-11-15