



Cubi NUC AI 1UMG Infokit

V1.0

CND Product Marketing | Apr-2025



NEXT-LEVEL AI PC

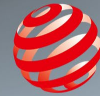
Cubi NUC AI 1UMG

msi



Cubi NUC AI Series

Business & Productivity PC



reddot winner 2024

Cubi NUC AI 1UMG

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AI Ready,
Future-Ready

Environment-
friendly Materials

Powerful & Reliable
Choice for Business

Optimized for Versatility
& Convenience



reddot winner 2024

Cubi NUC AI 1UMG Series

msi



Sleek & Elegant



0.51-Liters



PCR
(Post-Consumer
Recycled Plastic)



VESA
Mountable

Resilient and Pioneering Spirit of Your Business

Your business should be empowered to stop at nothing while navigating your journey with the MSI Business & Productivity Series products.

Find more details about MSI B2B projects on: <https://www.msi.com/Business/case>



Digital Signage &
Public Service



Business &
Restaurant



Education

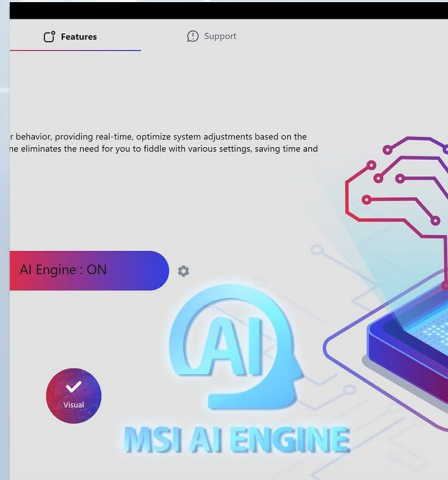


Medical & Science

AI - Accelerate Immediately



NPU
Neural Processing Unit



MSI AI Engine
Beyond Intelligence



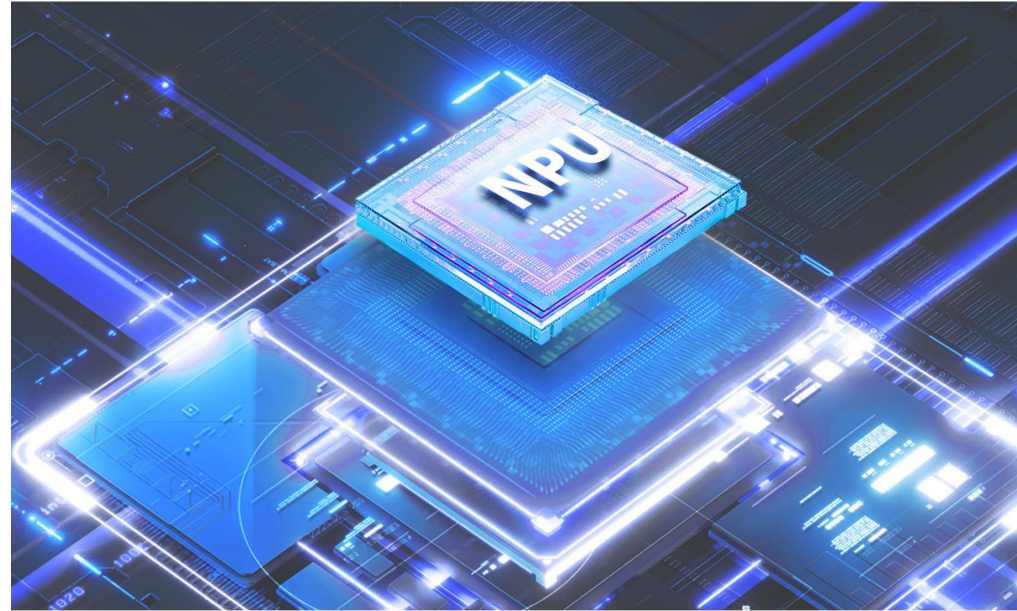
Microsoft Copilot
AI Assistant

NPU (Neural Processing Unit)

Designed for efficient AI workloads and lower power consumption.

Up to
50% Faster Photo Editing

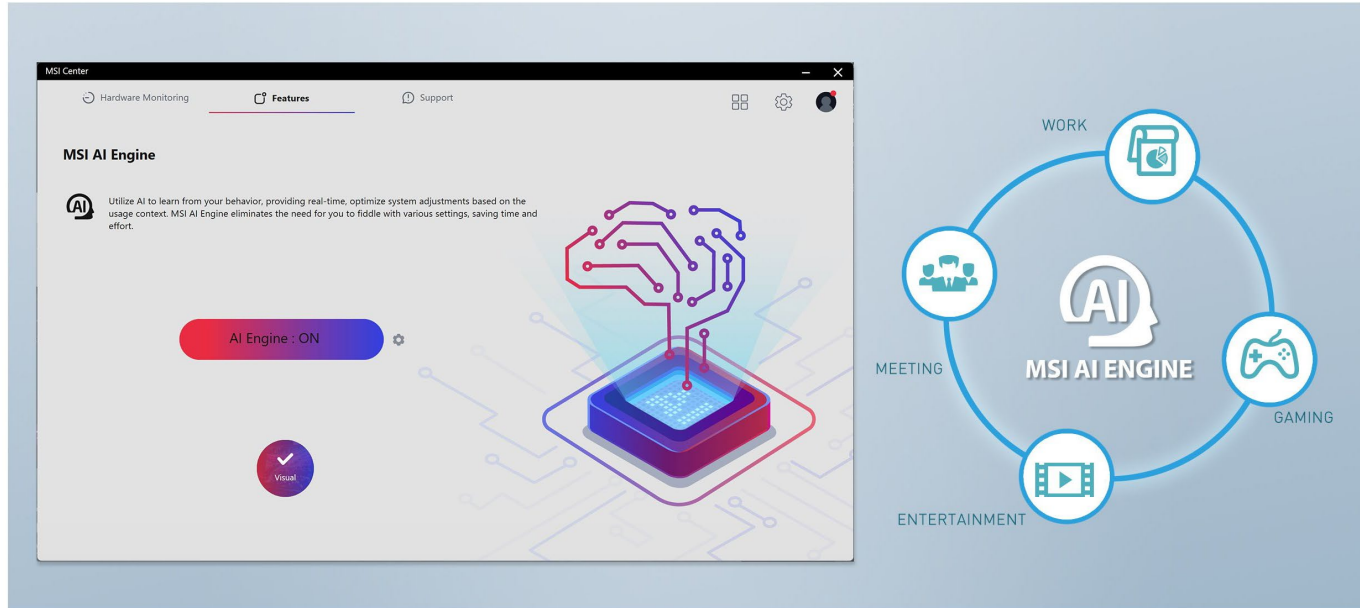
Up to
65% Faster Photo Generation



*The actual specification will vary by model.

MSI AI Engine

MSI AI Engine automatically detects user scenarios and adjusts performance, or display mode accordingly, eliminating the need for manual adjustments.

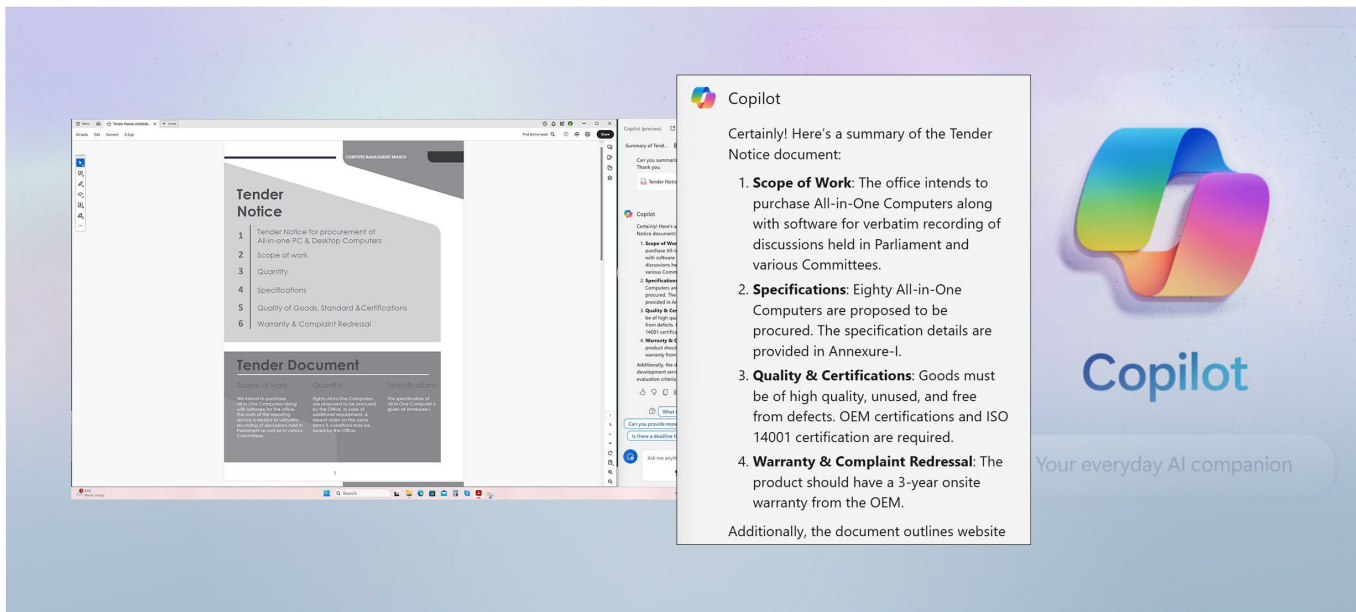


*Please install the MSI AI Engine from the MSI Center.

*The interface and functionality may differ due to version change.

Microsoft Copilot

Work smarter, be more productive, boost creativity, and stay connected with Copilot — an AI companion that adapts to your needs.

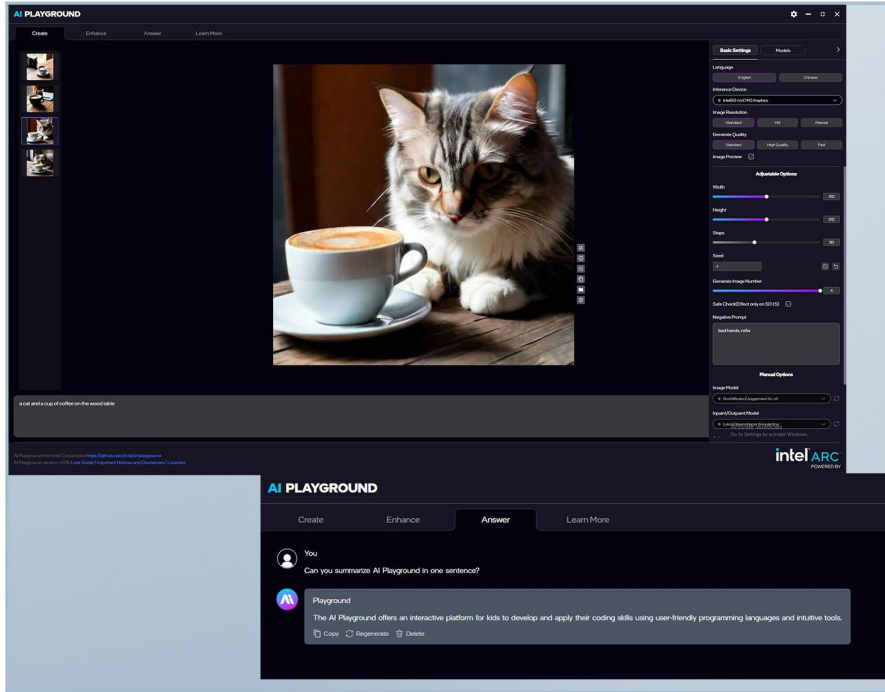


The image shows a screenshot of the Microsoft Copilot interface. On the left, a document titled "Tender Notice" is displayed, listing six items: 1. Scope of work, 2. Quantity, 3. Specifications, 4. Quality of Goods, Standard & Certifications, 5. Warranty & Complaint Redressal. Below this, a "Tender Document" section is visible. On the right, a Copilot chat window is open, displaying a summary of the document. The chat window includes the Copilot logo and the text "Certainly! Here's a summary of the Tender Notice document:". Below this, a list of four items is shown: 1. **Scope of Work:** The office intends to purchase All-in-One Computers along with software for verbatim recording of discussions held in Parliament and various Committees. 2. **Specifications:** Eighty All-in-One Computers are proposed to be procured. The specification details are provided in Annexure-I. 3. **Quality & Certifications:** Goods must be of high quality, unused, and free from defects. OEM certifications and ISO 14001 certification are required. 4. **Warranty & Complaint Redressal:** The product should have a 3-year onsite warranty from the OEM. Additionally, the document outlines website

*Please check the supported regions and languages on the Microsoft website

**The interface and functionality may differ due to version change.

Intel® AI Playground



Offering various AI capabilities, including image creation, enhancement, and chatbot responses, all functions run locally on the PC, ensuring privacy and control over content and input.

For more information, please refer to the official Intel® website:

<https://msi.gm/Intel-AI-Playground>

Please visit the introductory Blog here:

<https://www.msi.com/blog/how-to-use-intel-ai-playground>

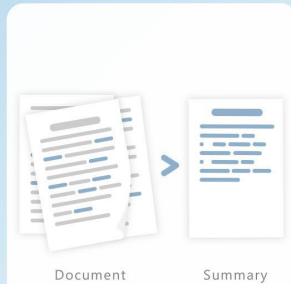
*Intel AI Playground is supported on specific hardware configurations.

*Please check for compatibility on Intel® website.

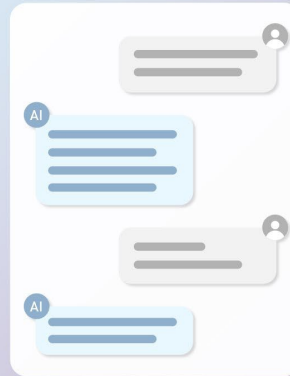
AI Powered Productivity

With AI-powered productivity tools, users can quickly summarize documents and extract key points to enhance their productivity. These tools also generate creative ideas, enabling users to explore new perspectives and solutions. Additionally, the Image Creator, an AI-driven tool, allows users to create unique artwork and unleash their creativity.

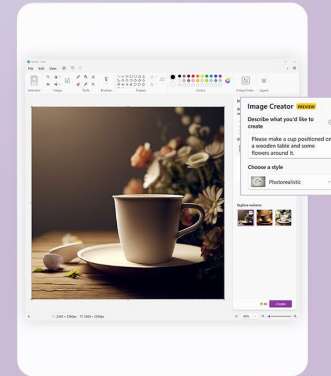
Summarize Content



Generate New Ideas



Expand the Imagination



Environment-friendly Materials



By utilizing green materials like post-consumer recycled (PCR) plastic and sourcing renewable energy for our factory, we ensure the durability of our products and demonstrate a strong commitment to creating a greener world.

Built for Sustainability

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The Cubi NUC Series blends business-centric design with environmental responsibility - an embodiment of MSI's dedication to sustainability. By utilizing green material, PCR (Post-Consumer Recycled) plastic, ensures not only the products' durability but also commits to a greener world.

Our commitment extends to incorporating sustainable materials in both our product design and packaging, all of which hold certification from ENERGY STAR®. The Cubi NUC Series embodies sustainable value and heightened productivity.



The mark of
responsible forestry
FSC™ N004460



Post-consumer Recycled (PCR) Plastic

msi



PCR
POST-CONSUMER RECYCLED



The Cubi NUC AI 1UMG Series contains

37.25% PCR plastic,
reducing plastic waste sent to landfills and
contributing to environmental conservation.

Sustainably Sourced Wood Pulp with FSC Certification

FSC-certified cartons are made from sustainably sourced wood pulp, ensuring responsible forest management. This certification guarantees that the materials are renewable and low-carbon, promoting environmental sustainability.

By using FSC-certified cartons, MSI supports sustainable practices and contributes to the preservation of forests for future generations



Renewable Energy Plant in Factory

Since 2021, MSI has installed solar power systems in its facilities and gradually increased the proportion of purchased renewable energy.

By 2024, it has achieved a carbon reduction of over 70%, with more than 99% of the electricity used in its factories coming from renewable sources.

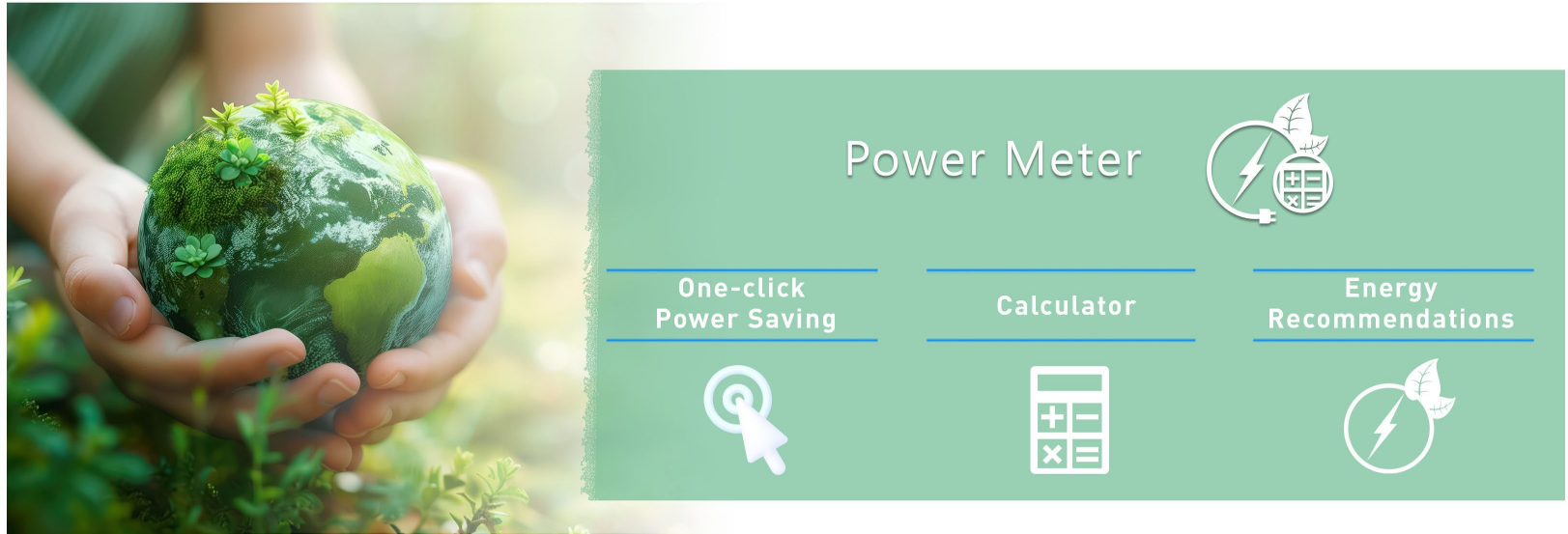
This demonstrates MSI's commitment to achieving net-zero sustainability by 2050.



Renewable Energy

MSI Power Meter

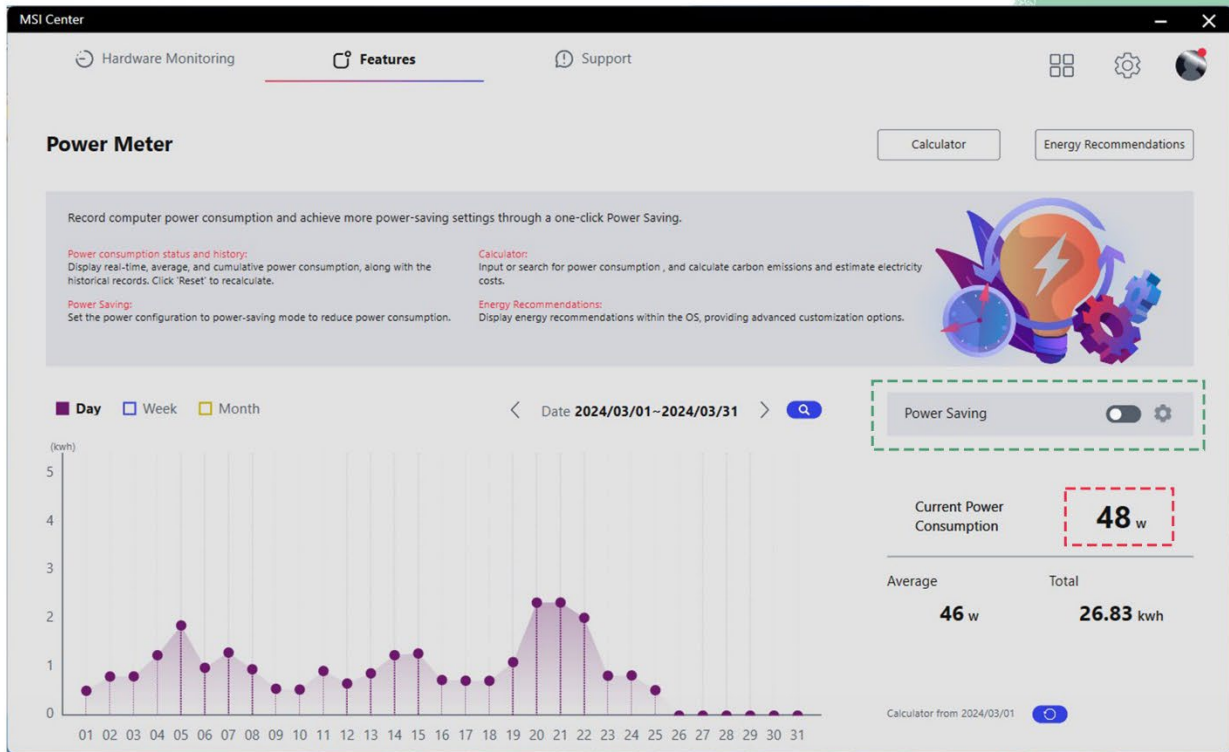
Power Meter can track power usage and implement energy-saving measures for AIO PCs and Desktop PCs. Users can monitor real-time power consumption, or activate one-click power-saving modes, carbon emissions calculation and energy cost analysis.



One-click Power Saving

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The MSI Power Meter can record the computer power consumption and achieve more power-saving settings through a One-click Power Saving button.



One-click
Power Saving

Power Saving



Current Power
Consumption

24 w

Average

46 w

Total

26.83 kwh

Calculator from 2024/03/01



Calculator

By analyzing computer usage and energy costs, users can gain insights into their carbon footprint and the environmental benefits, such as trees saved.

Calculator



Carbon Emissions 0.680 kg CO₂e

Energy cost 5.50 \$

Cumulative Energy

12 kWh

~35 kWh

Total Carbon Emission

8 kg CO₂e

~24 kg CO₂e

Total Amount

\$ 66

~\$ 191

Good news! Carbon emissions reduced by **24**kg CO₂e, equal to planting **1** trees.



The screenshot shows the MSI Center application window with the Calculator tool open. The interface includes a navigation bar with 'Hardware Monitoring', 'Features', and 'Support'. The Calculator section has a title bar with a close button. Below the title, there is a brief description and a disclaimer. The main area contains input fields for 'Query Criteria' (Time Range and Power Consumption), a date range selector (2024/01/01 to 2024/03/08), and sliders for 'Carbon Emissions' (0.680 kg CO₂e) and 'Energy cost' (5.50 \$). The results section displays 'Cumulative Energy' (12 kWh, ~35 kWh), 'Total Carbon Emission' (8 kg CO₂e, ~24 kg CO₂e), and 'Total Amount' (\$ 66, ~\$ 191). A green bar indicates a reduction of 24 kg CO₂e, equivalent to planting 1 tree. A 'Calculate' button is at the bottom right.

MSI Center

Hardware Monitoring Features Support

Calculator

Input or search for power consumption, and calculate carbon emissions and estimate electricity costs.
*Due to varying coefficients across countries, please consult the relevant energy authority website for data to make estimations.

Query Criteria ☒ Time Range ☐ Power Consumption

2024/01/01 to 2024/03/08

Carbon Emissions 0.680 kg CO₂e

Energy cost 5.50 \$

Cumulative Energy Total Carbon Emission Total Amount

12 kWh **8** kg CO₂e **\$ 66**

~35 kWh ~24 kg CO₂e ~\$ 191

Good news! Carbon emissions reduced by **24**kg CO₂e, equal to planting **1** trees.

Calculate

Customizable Power-saving Settings

Energy recommendations collect settings that have an outsized impact on power consumption in one place, making it easy to reduce the power consumption.

Customizable Power-Saving Settings

MSI Center

Hardware Monitoring Features Support

Power Saving

CPU Usage Limit

0 100 50

Screen Timeout

Never

Screen Brightness

0 100 36

Sleep Timeout

Never

&

Energy Recommendations



System > Power > Energy recommendations



Great start—keep going!

Apply energy saving recommendations to lower your carbon footprint
[Learn more](#)

Apply all

- Set the power mode for best energy efficiency [Apply](#)
- Set the screen brightness for best energy efficiency [Apply](#)
- Put my device to sleep after 10 minutes
When you apply this change, we'll also update the timeout setting for your screen [Apply](#)
- Turn off my screen after 3 minutes [Apply](#)
- Help improve battery by optimizing the content shown and brightness >
- Turn off my screen saver >

Powerful Choice for Business



Cubi NUC AI 1UMG

The Cubi NUC is the ideal solution for confined spaces. It confidently handles a myriad of tasks, from basic computing to multimedia streaming and multitasking, leveraging their compact size.

Maximize Space with the Versatile Cubi NUC



Tailored for Professional Users



Equipped with up to Intel® Core™ Ultra 9 Processor, it delivers faster and more reliable performance, enabling users to multitask various applications effortlessly.

Up to
**Core 9 Processor
185H**

Built-in
NPU

Support
Windows 11 Pro

Up to 5200MHz
DDR5 64GB
Dual Channel Memory



*The actual specification will vary by model.

Wi-Fi 7 Support



Wi-Fi 7 delivers ultra-fast speeds and increased network capacity, which is essential for efficiently managing AI workloads. It is 4.8 times faster than Wi-Fi 6E, improving the overall user experience.

DDR5 Dual-Channel Memory

DDR5 memory with dual-channel can enhance work efficiency and quality, processing large amounts of data and complex multitasking quickly and reducing waiting times and delays.

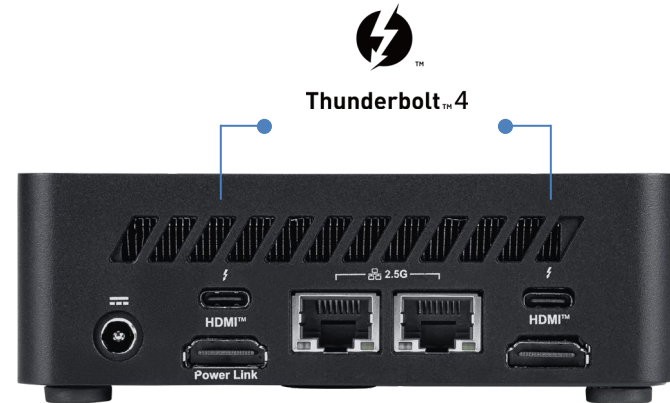


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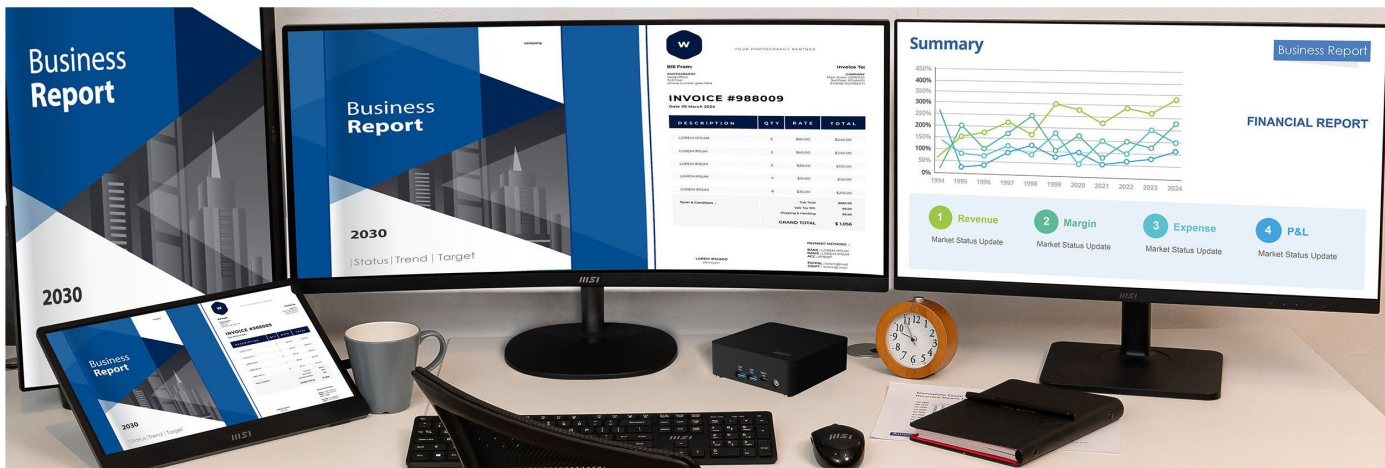
Thunderbolt 4: A Single Cable to Serve All



The Thunderbolt 4 enables rapid data transfer up to 40 Gbps, crucial for handling large datasets in AI applications, making it an excellent choice for both charging and displaying through a single port.



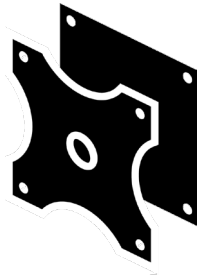
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VESA Mountable Design



With its VESA Mountable design, the Cubi NUC Series can be easily installed in any location, providing users with greater flexibility and efficient space management in both home and office settings.



MSI Power Link



The Cubi NUC Series can be powered on using the power button on the MSI-selected monitor to bring the most convenient user experience.



MSI Power Link is intended to work with the following MSI monitors, please visit:

<https://www.msi.com/blog/a-look-at-msi-power-link-conquering-convenience>

A Reliable Choice that Business Can Rely On

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A large, stylized 'AI' logo is positioned on the left side of the slide. The letters are filled with a pattern of small, light blue and white geometric shapes, including squares, circles, and triangles, giving it a digital or data-driven appearance. The background of the slide features a light blue grid pattern with some glowing white dots, and a dark blue diagonal band runs across the bottom right.

Cubi NUC AI 1UMG

Ensuring top quality is not just a catchphrase for us; it is our utmost priority to deliver a hassle-free and high-quality product.

dTPM 2.0 Module Support



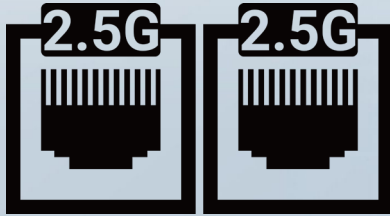
dTPM 2.0 technology provides hardware-based security functions. Sensitive data and passwords can be stored with encryption for advanced protection.

Kensington Lock

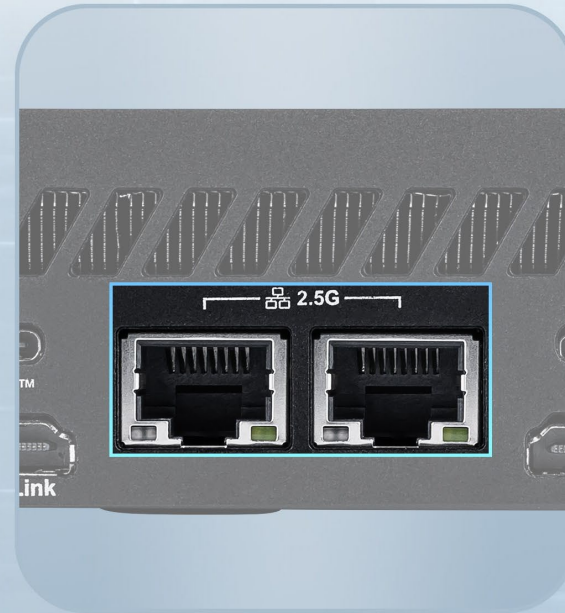


The Kensington lock design is a reliable and efficient method of deterring theft. By physically tethering the Cubi NUC to a secure object, the Kensington lock is particularly useful in safeguarding the device and the valuable data in it.

Dual 2.5G LAN



Experience the blazing speed of dual 2.5G LAN, which streamlines troubleshooting and enhances redundancy, network segmentation, security, and load balancing for users.

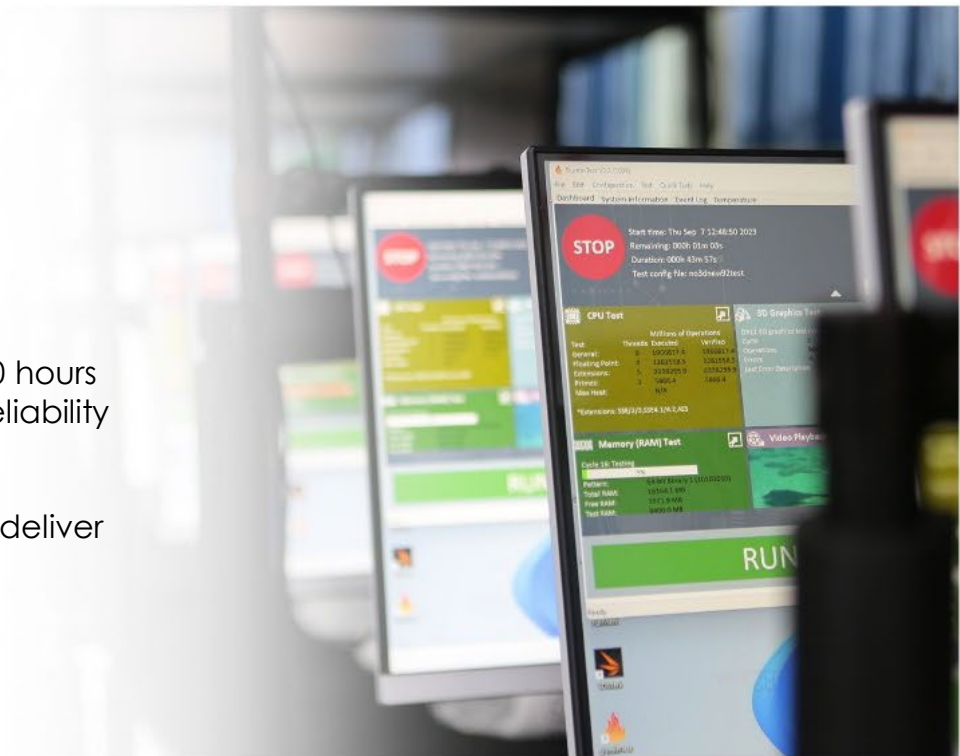


24 / 7 Qualified Reliability Test



Our relentless commitment to quality is reflected in our extensive reliability testing, which generates over 246,000 hours of MTBF (Mean Time Between Failures). We assure 24/7 reliability and availability, delivering an effortless user experience.

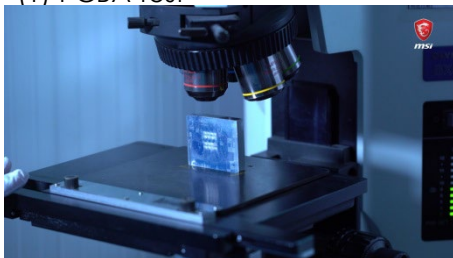
Quality is not just a buzzword for us, it's our top priority to deliver a hassle-free and high-quality product.



Intensive Quality testing

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(1) PCBA test



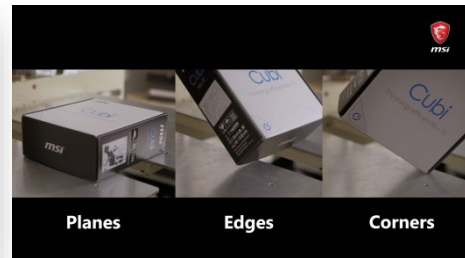
(2) Motherboard test



(3) Vibration test (X & Y Axis)



(4) Drop test



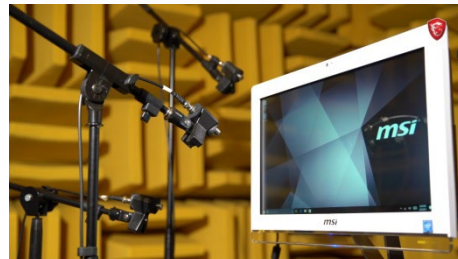
(5) Chamber test (Temp. & Humidity)



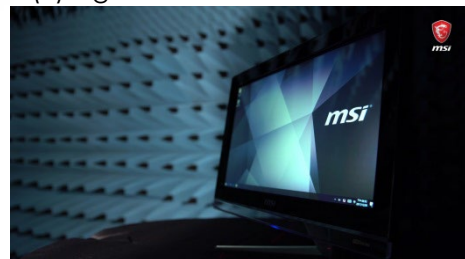
(6) Infrared (IR) test



(7) Acoustic test



(8) Signal test



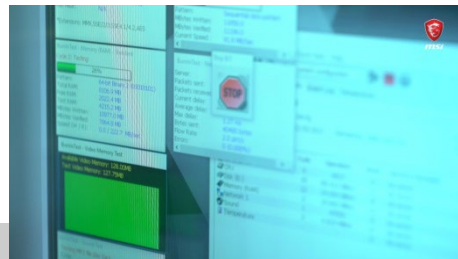
(9) I/O port life test



(10) Power test



(11) System performance test



Uncompromising Product Quality

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MSI products exemplify uncompromising quality.

Through strict adherence to the MIL-STD-1916 testing standard in our factory inspections, we consistently achieve excellence in performance, durability, precision, and reliability.

This commitment places MSI at the forefront, enabling us to consistently deliver outstanding designs to customers.

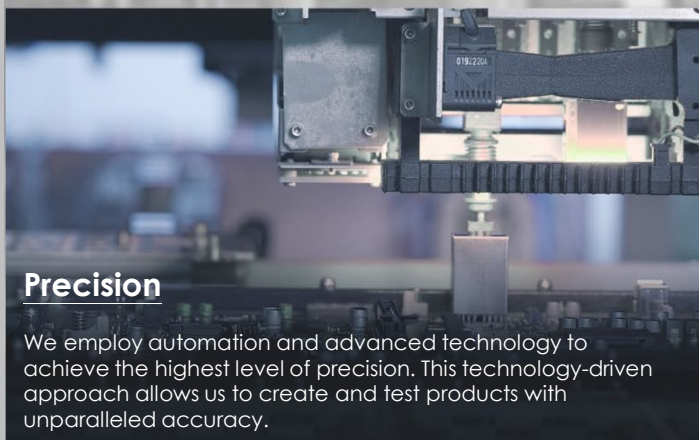
MSI modernized factory offering high-quality products Video:

<https://www.youtube.com/watch?v=ZvZ2GPn7CMc>



Performance Assurance

MIL-STD-1916 testing guarantees MSI products meet high-performance standards, providing reliable and professional experiences with desktop PCs at their best.



Precision

We employ automation and advanced technology to achieve the highest level of precision. This technology-driven approach allows us to create and test products with unparalleled accuracy.



Durability

MIL-STD-1916 testing ensures every component meets strict durability standards, making MSI products capable of lasting through extended gaming and work sessions while delivering reliable performance.



Reliability

In the world of business, reliability and dependability are crucial. MSI products go through rigorous testing and quality checks to minimize the chances of failure, ensuring an uninterrupted workflow.

Optimized for Versatility & Convenience

msi

A large, stylized graphic of the letters 'AI' in a light blue, semi-transparent font. The letters are filled with various small, colorful icons representing technology, such as squares, circles, and lines, giving it a digital or data-driven appearance. The background is a light blue grid with some glowing points.

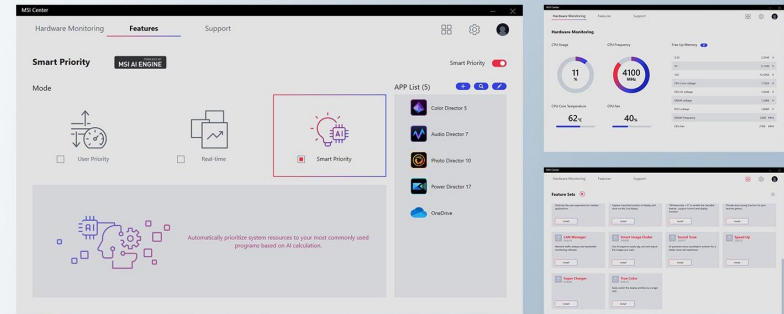
Cubi NUC AI 1UMG

Streamlining operations to achieve maximum productivity with minimal wasted effort or expense.

MSI Center

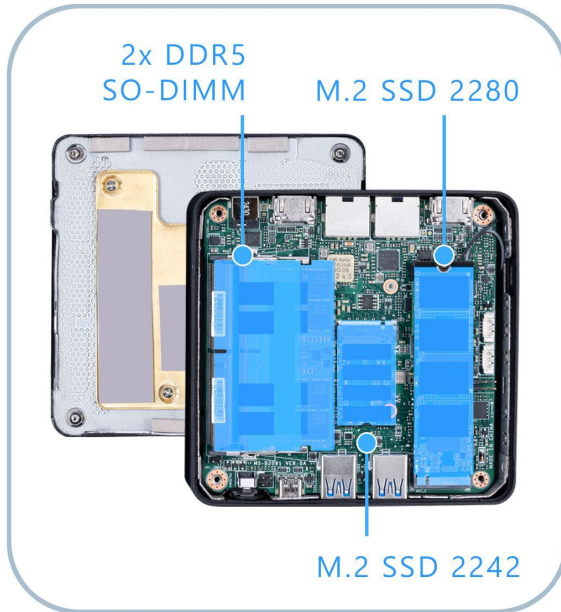


The MSI Center allows for easy optimization and resource allocation to enhance software performance.



*The interface and functionality may differ due to version change.
Please download the latest MSI Center APP through Microsoft Store.

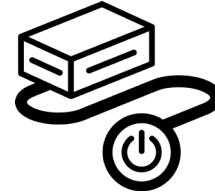
Easy to Upgrade



Users can easily upgrade two SO-DIMM, two M.2 SSDs (2280 & 2242) by disassembling the cover.

This makes Cubi NUC an even more flexible desktop and also reduces the time wasted on upgrading.

External Power Switch



The optional external power switch significantly enhances the convenience of turning on the computer.

In cases where the computer is situated in a hard-to-reach area, opting for the external power switch on the desk is far superior to bending down to turn it on.

Cubi NUC AI 1UM - IO Port



*Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W)

*HDMI™ out (supports 4K @60Hz as specified in HDMI™ 2.1)



Cubi NUC AI 1UMG Specification



reddot winner 2024



| | |
|------------------------------|---|
| Operating System | Windows 11 Home or Windows 11 Pro |
| CPU | Intel® Core™ Ultra 7 Processor 155H Intel® Core™ Ultra 5 Processor 125H |
| Chipset | Intel® SoC |
| Memory | 2x DDR5 SO-DIMMs, up to 64GB |
| Graphics | Intel® Arc™ Graphics (Integrated) |
| Storage | 1x M.2 2280 SSD (NVMe PCIe Gen4 x4, factory pre-installed) 1x M.2 2242 SSD (NVMe PCIe Gen4 x4) |
| I/O (Front) | 1x USB 10Gbps Type C 2x USB 10Gbps Type A |
| I/O (Rear) | 2x Thunderbolt 4 (DP 1.4 alt-mode up to 4K@60Hz / PD-out 15W) 2x RJ45 (2.5G) 2x HDMI™ out (supports 4K @60Hz as specified in HDMI™ 2.1 & supports MSI Power Link) |
| I/O (Side) | 1x Kensington Lock 1x External Power Switch Pin Header |
| TPM | dTPM Module Support |
| Kensington Lock | Yes |
| Wireless LAN | Intel® Wi-Fi 6E AX211 / Intel® Wi-Fi 7 BE200 / Realtek WiFi 6E RTL8852CE CG |
| Bluetooth | 5.3 (for AX211) / 5.4 (for BE200) / 5.3 (for RTL8852CE CG) |
| LAN | 2x Intel® I226V (2.5G) |
| AC Adapter / PSU | 120W |
| Cooling System | Fan Cooler |
| Volume | 0.51 Liter (1.08 pint) |
| Dimension (WxDxH) | 119.60 x 115.20 x 37.50 mm (4.71 x 4.54 x 1.48 inch) |
| Weight (N.W./ G.W.) | 0.55 Kg (1.21 lbs) / 1.48 Kg (3.26 lbs) |
| VESA Mount | 75 x 75 mm and 100 x 100 mm |
| External Power Switch | Optional |
| Accessories | 1x Quick guide, 1x Adaptor and Power cord |
| Software | MSI Center (MSI AI Engine, Power Meter) |

B2B Projects



Over the past years, MSI has successfully supported countless of B2B projects, including government tenders, restaurant & hotel facilitation, shopping mall navigation projects, school & university developments and professional office projects.

Find more details about many of these projects on:

<https://www.msi.com/Business>

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NEXT-LEVEL AI PC



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Official Partner

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MOTORSPORT



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