



# DRAGONFORGED DOMINANCE

► MSI GeForce RTX™ 50 Series Laptop ►





# GEFORCE RTX 40 SERIES LAPTOPS BEYOND FAST FOR GAMERS AND CREATORS



## FURTHER WITH AI, FASTER ON RTX

GeForce RTX™ GPUs feature specialized AI Tensor Cores that deliver unparalleled performance. From enhanced creativity and ultra-efficient productivity to blisteringly fast gaming, the ultimate in AI power on Windows PCs is on RTX.



## NVIDIA DLSS 3 : MAX FPS. MAX QUALITY. POWERED BY AI.

DLSS is a revolutionary breakthrough in AI-powered graphics that massively boosts performance. Powered by the new fourth-gen Tensor Cores and Optical Flow Accelerator on GeForce RTX 40 Series Laptop GPUs, DLSS 3 uses AI to create additional high-quality frames and improve image quality.

\*Performance numbers shown based on built-in game benchmark average with GeForce RTX 4090 Laptop GPU at 2560x1440 resolution, DLSS 3.5 with Super Resolution Balanced mode, highest game settings and RT Overdrive mode. Performance will vary by laptop model; check with the manufacturer for their particular model and specifications.



## RAY TRACING : HYPERREALISTIC. HYPERFAST.

The Ada architecture unleashes the full glory of ray tracing, which simulates how light behaves in the real world. Experience incredibly detailed virtual worlds like never before.



## OPTIMIZED POWER AND PERFORMANCE

NVIDIA® Max-Q is an advanced suite of AI-powered technologies that optimize your system for peak efficiency. This enables blazing-fast laptops that are thin, quiet, and have amazing battery life.

\*Cyberpunk 2077 image captured on a desktop with new Ray Tracing: Overdrive Mode ON, shown for illustrative purposes only. Actual performance varies by system.





# NVIDIA POWERS THE WORLD'S AI. AND YOURS.

When it comes to AI PCs, the best have NVIDIA® GeForce RTX™ GPUs inside. That's because the same technology powering world-leading AI innovation is built into every RTX GPU, giving you the power to do the extraordinary. From class to work to entertainment, with RTX-powered AI, you're getting the most advanced AI experiences available on Windows PCs.

30X

## Faster AI Model Training

Build and train your own custom AI models to suit your needs.



### Advanced AI PCs

Get the fastest performance in over 500 AI-accelerated apps and games.

8X

## Higher FPS in Modern Games

Experience super smooth and immersive gameplay with full ray tracing.



### AI-Enhanced Experiences

The sharpest streaming, fastest editing, and improved video conferencing.

13X

## AI Image Generation

Iterate on your creative ideas and bring concepts to life faster.



### On-Device Secure

Your data stays secure on your device—no internet required.

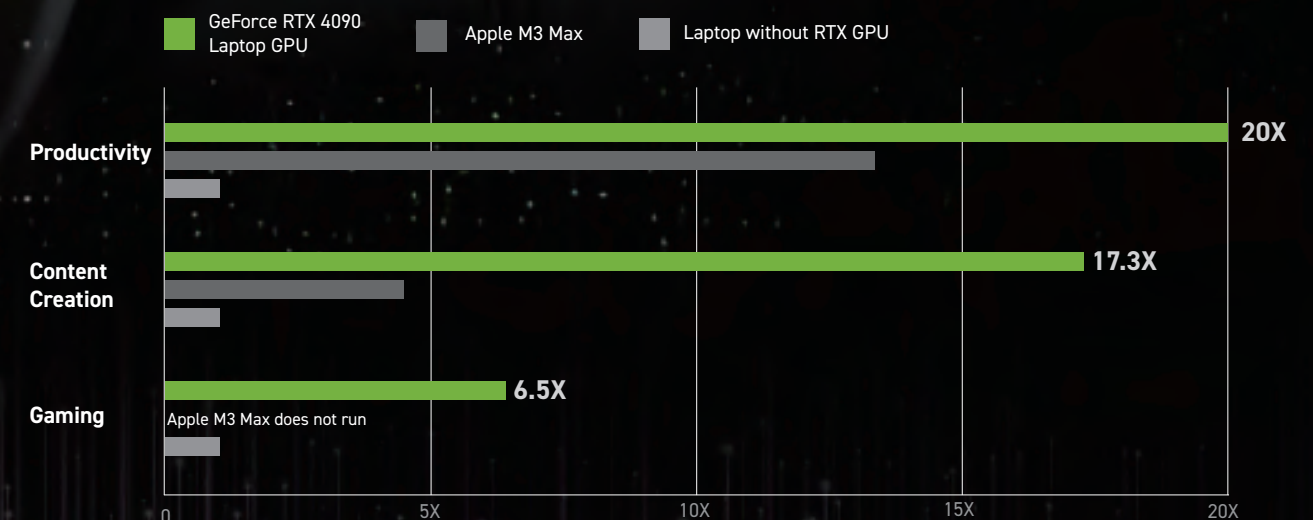
All data points were tested using a GeForce RTX 4060 Laptop GPU with 140W maximum graphics power compared to Intel Core i7 13th Gen CPU with integrated graphics. 2 Study Faster: artificial intelligence, training MLPerf-compliant TensorFlow/ResNet50 on WSL (images/sec). 3 Game Faster: Counter-Strike 2 with Very High Preset at 1080p (average frames per second). 4 Create Faster: Time taken to generate a batch of 20 images Stable Diffusion XL 1.5 with Automatic 1111.

## AI PERFORMANCE THAT TOPS THE CHARTS

Measured in trillions of operations per second, or TOPS, the AI processing power of NVIDIA® GeForce RTX™ Laptop GPUs is in a class all its own.

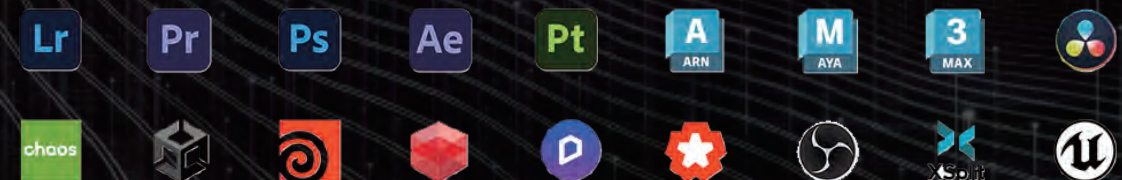
	GeForce RTX 4090 Laptop GPU	GeForce RTX 4080 Laptop GPU	GeForce RTX 4070 Laptop GPU	GeForce RTX 4060 Laptop GPU	GeForce RTX 4050 Laptop GPU
AI Performance	686 AI TOPS	542 AI TOPS	321 AI TOPS	233 AI TOPS	194 AI TOPS

## MULTIPLY YOUR PERFORMANCE WITH RTX AND AI



## ALL YOUR FAVORITE APPS, NOW SMARTER

More and more apps are featuring AI every day—and with an RTX AI PC, you'll be able to power them in the best possible way.







## DESKTOP-LEVEL PERFORMANCE WITH EFFICIENCY UP TO INTEL® CORE™ ULTRA 9 PROCESSOR 275HX

Unlocking new level of performance with whole-new P-core & E-core architecture bringing improved performance per watt, the Intel® Core™ Ultra 9 processor 275HX is here to make portable gaming cooler, quieter with elite-level performance.

**24 Cores**      **8 P-cores + 16 E-cores**      **NPU inside**

**Up to 15% Performance↑\***      **Up to 30% Lower Power\***

\*v.s. Intel® Core™ i9 processor 14900HX



## SMARTER, FASTER, LIGHTER UP TO INTEL® CORE™ ULTRA 9 PROCESSOR 285H

With the whole-new P-core & E-core & Low Power E-core architecture bringing improved performance per watt and next-gen NPU for AI performance, experience fast gaming and multitasking performance anywhere with more unplugged playtime.

**Up to 14 Cores and 2 Low Power E-cores**      **NPU inside**

**Up to 15% Performance↑\***      **Up to 22 Total Threads\***

\*vs Intel® Core™ Ultra 9 processor 185H





## NEWLY UPGRADED FOR AI POTENTIAL UP TO INTEL® CORE™ ULTRA 9 PROCESSOR POWERING INTEL® EVO™ EDITION 288V

Experience unparalleled computing power with the latest laptops, equipped with up to an Intel® Core™ Ultra processor powering Intel® Evo™ Edition 288V. These laptops accelerate AI programs with over 40 NPU TOPS, ensuring superior battery efficiency and rapid AI workloads. Unlock new possibilities with ease, speed, intelligence, and smoothness – whether you're in virtual meetings or handling data-intensive applications.

With NPU Inside  
**40+ AI TOPS**

More Immersive  
Experiences  
**50% Better Graphics\***

More Battery Life  
**40% More  
Efficient\*\***

\*As measured by reference validation platform performance of Intel® Core™ Ultra processors Series 2 (codename: Lunar Lake) versus Meteor Lake on 3DMark Time Spy. See [intel.com/performanceindex](https://www.intel.com/performanceindex) for details. Results may vary.

\*\*As measured by lower SOC power of Intel® Core™ Ultra processors Series 2 (codename: Lunar Lake) reference validation platform vs Meteor Lake reference validation platform on YouTube 4K 30FPS AV1. See [intel.com/performanceindex](https://www.intel.com/performanceindex) for details. Results may vary.



**AMD**  
**RYZEN AI**  
300 Series

**AMD**  
**RYZEN AI**  
9 HX

**AMD**  
**RYZEN AI**  
9

## POWERED BY THE MOST ADVANCED TECHNOLOGY

From seamless browsing and entertainment to collaboration and presentations, AMD Ryzen™ AI 300 Series laptop processors maximize your multitasking potential on elite ultrathin laptops.

Stacked with more CPU and GPU cores than ever available in this class of AMD-powered PC, and equipped with an ultra-efficient AI engine, these processors come ready to deliver revolutionary speed and performance to an evolving world of AI-infused computing experiences.

**XDNA 2**  
**50 NPU TOPS**  
AMD Ryzen™ AI

**30%+**  
APU Performance

**40%+**  
Power Efficiency



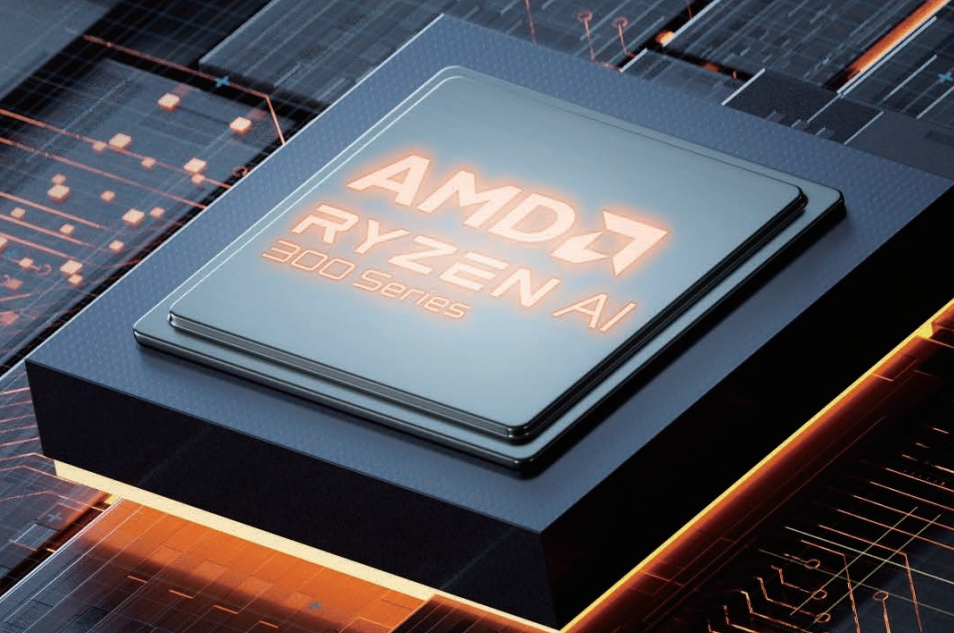
## THE ULTIMATE GAMING PROCESSOR EVOLVED: UP TO AMD RYZEN™ 9 9955HX3D PROCESSOR

Game like never before with the latest AMD Ryzen™ 9 9955HX3D Processor, featuring the latest Zen 5 architecture, utilizing the re-engineered 2nd Gen AMD 3D V-Cache™ technology for massive gaming boost, gamers can now harness the power of ultimate performance on the processor built for gaming and more.

**16 Cores**  
**32 Threads**

**Zen 5**  
Architecture

**144 MB With**  
**2nd Gen 3D V-Cache™**







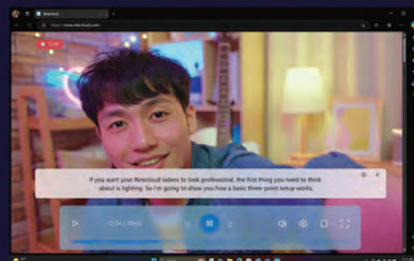
# A new AI era begins

The fastest, most intelligent Windows PCs

Accelerate your productivity and creativity with unique AI Copilot+ PC experiences.



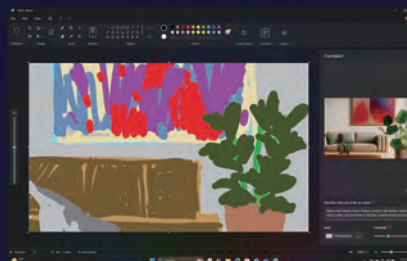
## Live Captions



### Connect with Live Captions

When you never miss a word, you never miss a beat. Get accurate subtitles in real time with automatic Live Captions\*

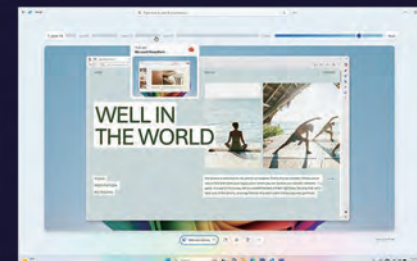
## Cocreator



### Create with Cocreator

Let your inner artist thrive with guidance from Cocreator.

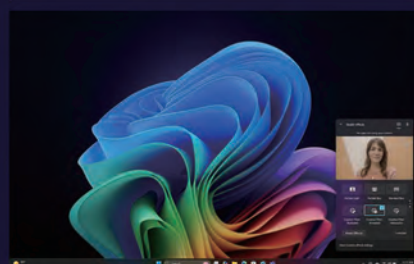
## Recall



### Recall instantly

Searching for a document, email or web page on your PC can be time-consuming. Now you can just describe how you remember something and Recall will find it, instantly.

## Windows Studio Effects



### Look your best

Effects that enhance your calls.

## Recommend Models\*

Summit 13 AI+  
Summit A16 AI+  
Prestige 13 / 14 / 16 AI+  
Prestige A16 AI+  
Venture A14 / A15 / A16 / A17 AI+  
VenturePro A14 / A15 / A16 / A17 AI+

Stealth A16 / A18 AI+  
Pulse A16 / A17 AI+  
Creator A16 AI+  
Claw 7 / 8 AI+

\* Currently supports translation for video and audio subtitles into English from 40+ languages. See [aka.ms/copilotpluspcs].  
\*\* Recall Optimized for select languages (English, Chinese (simplified), French, German, Japanese, and Spanish.) Content-based and storage limitations apply. See [https://aka.ms/nextgenai].  
\*\*\* Recall is coming soon through a post-launch Windows Update. See aka.ms/copilotpluspcs

# Find Your Ideal MSI AI PC

Whether you're a gamer, professional, or creator, you can always find a perfect AI PC from MSI. Take the quick quiz to discover your perfect match!



GAMING SERIES



I need a laptop to handle lightweight AI tasks with efficiency.



I need a laptop to handle heavy AI workloads with power and ease.



I want to play games smoothly and immersive visual experience.



I need the Copilot functions like Live Captions, Recall, or Cocreator.



I use generative AI to create images, or apply AI algorithm, and even machine learning.



Laptop with  
NPU inside



Copilot+PC

Laptop with  
NPU ≥ 40 TOPS



Laptop with  
Discrete Graphic



\*Copilot+ PC experiences are coming. Requires free updates available starting late November 2024. Timing varies by device and region. See aka.ms/copilotpluspcs  
\*\*Performance result may vary on the different configuration. Product features and specifications may vary by model. We recommend you to check with your local supplier for exact offers and detail specifications.



# 7 Reasons to Choose MSI AI Laptop



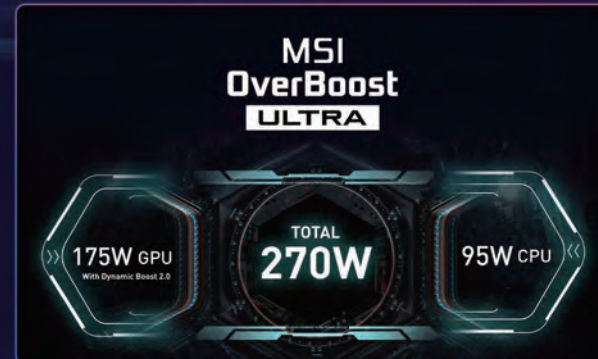
## AI Capability

With up to 50 NPU TOPS, delivers higher AI performance with lower energy consumption, making it ideal for efficient and intelligent systems.



## Peak Performance yet Longer Battery Life

Enjoy peak performance owing to the exclusive MSI OverBoost Ultra and Cooler Boost technology, but achieve longer battery life for nonstop gaming, working, and creating.



## MSI Exclusive AI Applications

Intuitively leverage AI by MSI AI Engine, AI Robot, AI Noise Cancellation Pro, or Smart Guard, enhancing the experiences in games, work efficiency, or security.



## Blazing Fast Speed

Experience seamless experience with the latest Thunderbolt™ 5, Wi-Fi 7, DDR5 memory, and PCIe Gen5 SSD.



## Feast of Sound

With 6 Speakers and the combination of DYNAUDIO, Hi-Res audio, Nahimic, or DTS, bringing you an immersive audio experience under any circumstances.



## Stunning Display

Enjoy gaming, working, or creating under the most premium 4K 120Hz MiniLED and OLED display for more immersive experience.



## Award-Winning Reliability

Trust in our internationally awarded design and brand excellence.



reddot winner 2024





# MSI AI EXCLUSIVE FEATURE



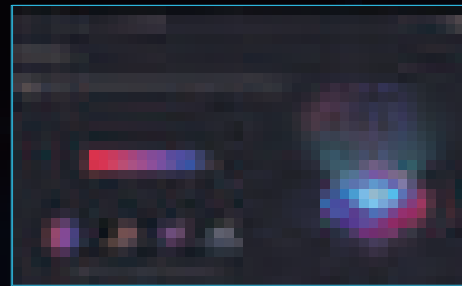
MSI laptops elevate your experience with the MSI AI Engine. Enjoy smart tuning with AI Robot, clear communication via AI Noise Cancellation Pro, and unleash creativity with AI Artist. All powered by the latest MSI Intelligent Technology.

## MSI AI ROBOT:YOUR INTELLIGENT COMPUTING COMPANION



MSI AI Robot is a comprehensive AI assistant designed to streamline your computing experience. It provides step-by-step system tutorials, allowing you to personalize performance settings, and offers document summarization.

Whether you're optimizing system performance or navigating complex tasks, MSI AI Robot is here to enhance productivity and simplify your workflow.



## MSI AI ENGINE

MSI AI Engine is able to detect user scenarios and automatically adjust hardware settings to achieve the best performance.



Intelligent Gaming



Intelligent Content Creation



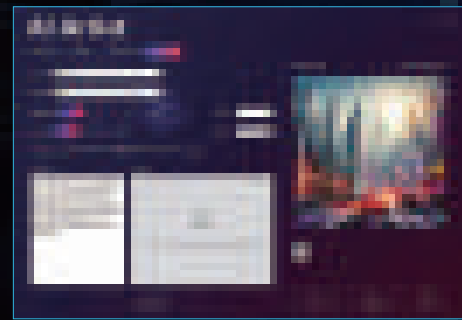
Intelligent Meeting



Intelligent Entertainment



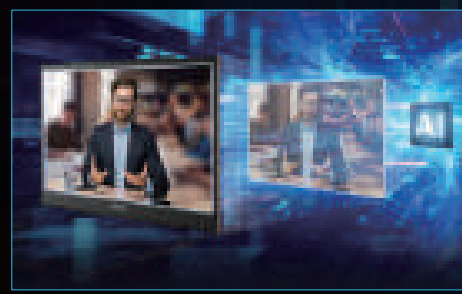
Intelligent Work



## AI ARTIST TEXT-TO-IMAGE GENERATION

Generate images directly on your laptop with MSI AI Artist. You can create rich images with shorter prompts and generate words within images. MSI AI Artist offers stunning image composition that results in realistic and amazing visuals. Create and inspire at a whole new level.

\*AI Artist generation speed and available features may vary depending on hardware specifications.



## AI NOISE CANCELLATION PRO

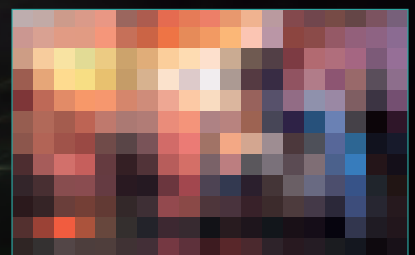
Elevate your video conferencing with our advanced solution featuring three built-in microphones for precise directional recording. Enjoy 360-degree omnidirectional audio pickup, akin to a pro speakerphone, while automatic noise reduction enhances sound quality. Monitor microphone performance visually on the intuitive UI.





## MSI OVERBOOST ULTRA TECHNOLOGY

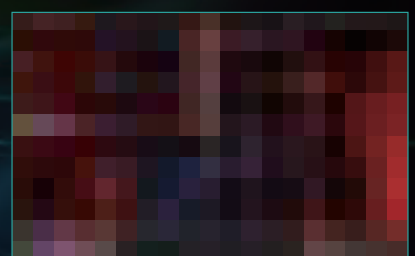
When extreme workloads require full CPU and GPU resources, MSI OverBoost Ultra technology delivers maximum combined CPU and GPU performance, or sets Max Boost performance across all 8 P-Cores when only the CPU is utilized.



### OVERBOOST ULTRA

Designed for maximum performance, combining HX CPUs with top-tier GPUs. Ensures full GPU TGP and CPU wattage that exceeds standard TDP, with no throttling during simultaneous CPU and GPU loads. Delivers Max Boost >200W beyond TDP limits for uncompromised high-end gaming and intensive applications.

>> **Recommend series: Titan, Raider, Vector**



### OVERBOOST

Delivers superior performance compared to competitors in the same category. Ensures full GPU TGP and CPU wattage above TDP, with no throttling during combined CPU and GPU workloads. Strikes a balance between high performance and everyday usability.

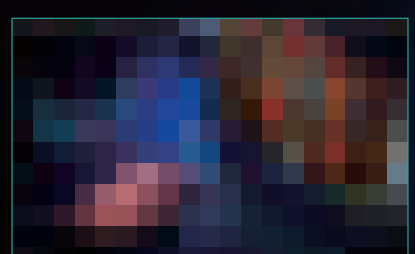
>> **Recommend series: Pulse, Crosshair**



### FULL POWER CPU & GPU

Ensures full GPU TGP and CPU wattage above TDP, optimized for delivering strong performance without compromise.

>> **Recommend series: Katana (HX)**



### POWER EFFICIENCY

Prioritizes lightweight, portable, and energy-saving designs, focusing on low power consumption and longer battery life while maintaining adequate performance.

>> **Recommend series: Stealth, Thin, Cyborg**



# EXCLUSIVE COOLER BOOST TECHNOLOGY STAY COOL, STAY POWERFUL

MSI's Cooler Boost technology delivers exceptional thermal performance with a large Vapor Chamber, four vent layouts, and a 3D cooling stand. The exclusive heat pipe design also extends to the latest PCIe Gen5 SSD, ensuring efficient cooling for critical components and peak performance.

\*Heat pipe design varies by model. The extended cooling for PCIe Gen5 SSD is exclusive to the Titan 18 HX AI.



**Cooler Boost 5**

**Dynamic Cooler Boost**

**Vapor Chamber Cooler**



**99.9Whr**

World's Largest Battery Capacity

## ARMED WITH POWER THAT LASTS

Packed to the legal flight limit, the 99.9Whr large battery capacity provides longer runtime and sustained power in unplugged circumstances.

\*For specific models only.





2,000,000 : 1  
Contrast Ratio

## MINI LED 4K 120HZ DISPLAY

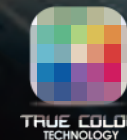
With ultra-high resolution, the Mini LED 4K 120Hz display takes realism and details to the next level. The AmLED ACR (Ambient Contrast Ratio) ensures that image colors remain bright, vivid, clear, and saturated even when used next to windows or even under direct sunlight. The highest level of DisplayHDR 1000 provides more visibility in color gamut.

\*This specification may vary by model.

## QHD+ 240HZ OLED GAMING DISPLAY

With 16:10 display supporting QHD+ 240Hz, which users not only see accurate realistic coloring, but also can play games with minimal motion blur for a remarkable visual experience.

\*This specification may vary by model.







## WIRELESS REIMAGINED

The latest Wi-Fi 7 network speed packs more data into each transmission, making it significantly faster. Its potential maximum data rate of nearly 5.8 Gbps, which is 2.4x faster than the 2.4 Gbps speeds with Wi-Fi 6/6E, making it easy to stream high-quality video, or downloading large files in less time than the best legacy Wi-Fi technology, accomplish your tasks at breathtaking speeds.

\*Based on theoretical maximum performance. May vary by wireless configuration.

STREAMING ⇄



## IR FHD CAMARA WITH HDR & 3D NOISE REDUCTION+ (3DNR+)

MSI leads the market to provide the most crystal clear and sharp 1080p web camera, with IR function to support Windows Hello. Moreover, The 3D Noise Reduction+ reduces signal noise and increase image quality under poor lighting conditions. Now there is no need to connect an external webcam, just boldly stream your gameplay with the build-in one.

\*This specification may vary by model.

STREAMING ⇄

Webcam Shutter







## ELEVATE YOUR AUDIO

Experience and listen to audio the way it was intended and share it with Nahimic in-game 3D surround & Sound Sharing via Bluetooth. With brand new Easy Surround, It helps you connect to any of your bluetooth speakers and use it as a surround speaker for more immersive experiences!

\*This specification may vary by model.



## 6X SPEAKERS SOUND SYSTEM WITH CRISP TREBLE & POWERFUL BASS



## 4 Speakers 2 Woofers

The 6-speaker sound system designed by world-class audio solution provider Dynaudio, featuring two dual force-canceling speakers and two pairs of woofers to hear both high & low notes clearly.

\*This specification may vary by model.





## EXPERIENCE EVERY CLICK

Enjoy every tactile feedback. The Titan 18 HX comes with a unique Cherry MX Ultra Low Profile mechanical keyboards specifically tailored for laptops with ultra-slim form. The keyboard features a two-piece keycap structure and cross-point contact system to ensure the most "clicky" tactile and precise actuation during your gaming session.



\*CHERRY MX Ultra Low Profile mechanical switch is used on Typewriter Keys with 1x1 and certain larger size keys.

CONTROL

CONTROL

Up to  
**120 Gbps**  
transmit bandwidth

Up to  
**12x Faster**  
vs. USB 3.2 Gen 2

Up to  
**3x Faster**  
vs. Thunderbolt™ 4

**DisplayPort 2.1**  
Support



Thunderbolt™ **THUNDERBOLT™ 5 TECHNOLOGY**

The forefront of data transfer and connectivity solution is now available. Enjoy up to 120 Gbps of transmit bandwidth with Thunderbolt™ Bandwidth Boost, while enabling connection to more monitors at higher resolution and refresh rates than ever.



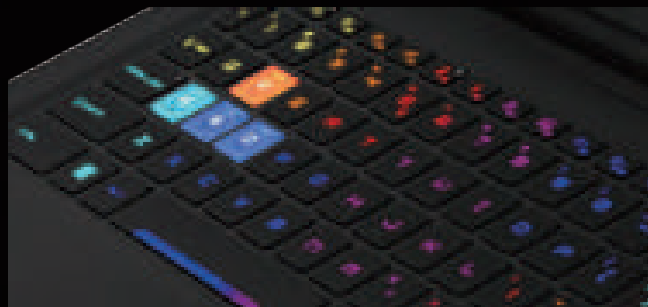


## SHINING IS JUST THE NEW MUST PER-KEY RGB GAMING KEYBOARD

Through per-key illumination of the keyboard, you will receive real time game status updates such as ammo levels and health levels. This keyboard is ergonomically-designed with 1.7mm of key travel for better responsive and tactile feedback, optimum WASD zone, mechanical-level shielding for solid feedback, and many more features gamers need to gain full control over their game.



## LIGHT UP WITH GAMING STYLE



Enjoy the colorful light that shines with the new 26-Zone RGB Keyboard. This cool and stylish controllable professional gaming keyboard has transparent WASD keys and special-designed keycaps, helping those who love FPS shooting games or RPG (role-playing games) to control more conveniently with style!

\*This specification may vary by model.



## RGB ECOSYSTEM GET HYPED WITH THE GLOWING VIBES

Showcase your ultimate RGB gaming theme with Titan Series. The brand new Seamless RGB Touchpad powered by Mystic Light lights up the whole touchpad area, with virtually endless combinations in multiple colors.

\*Lighting effects are only for illustration. Actual effect may vary by software.





MSI Center

# MSI CENTER GET ALL THE BUFFS FOR RAIDING

The exclusive MSI Center helps you control and customize your MSI laptop the way you want. This award-winning software is smarter, faster, and more personal. Enjoy monitoring, adjusting, and optimizing in this unified center.

CONTROL



reddot winner 2022



## FLEXIBLE USER INTERFACE

Intuitive design makes it easy to switch the UI skin, adapting to suit various appearances and user preferences. Or try the dark mode that's easy on the eyes when in dark environments.

CONTROL

## KEY FEATURES

User Scenario | General Settings | Game Highlights | True Color  
Smart Image Finder | MSI Companion | AI Noise Cancellation Pro System  
Diagnosis | Hardware Diagnosis | Performance Analysis | WiFi  
Analysis

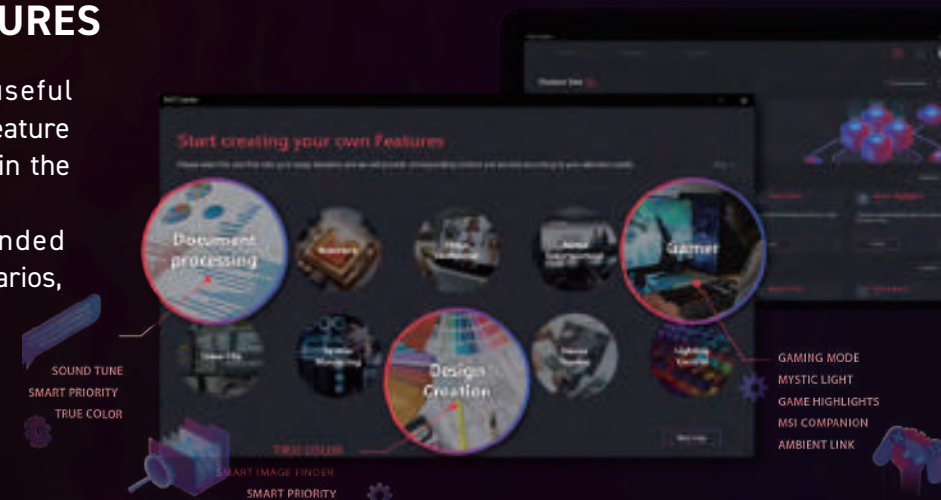
## MSI COMPANION

Gamers need to monitor computer status and tweak settings in real-time keeping the game fluent. With this utility, gamers can easily monitor and tweak by pressing WIN+G to activate the on-screen-display interface during the game.



## USER-FRIENDLY FEATURES

MSI Center integrates many useful utilities, users can choose each feature according to what they need within the modular design interface. Moreover, with MSI recommended system which looks into user scenarios, users can select needed features more easily and exactly.



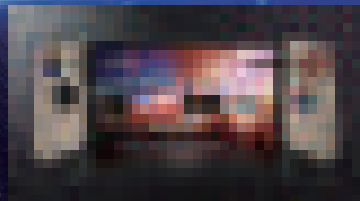




MSI Center M

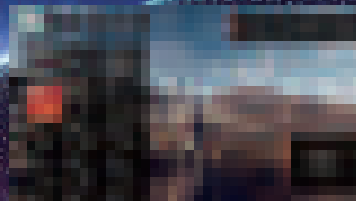
## ENHANCE YOUR GAMING EXPERIENCE WITH THE BRAND-NEW MSI CENTER M

MSI Center M is your all-in-one solution for customizing MSI Claw. The latest version of the software provides a refined and user-friendly interface. You can easily access your favorite games through the redesigned "Game Library." The new "Quick Settings," integrated into Microsoft's "Xbox Game Bar," enable you to customize your devices with your preferred tools. Additionally, you can personalize the Mystic Light Halo on the joystick and the macro keys according to your preferences.



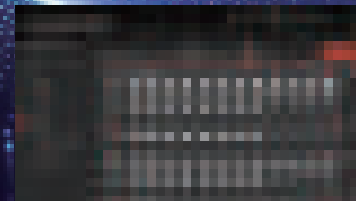
### Redesign Game Library

Instantly access to your favorite games with the Redesigned "Game Library"



### Quick settings with Xbox Game Bar

Easily customize your Claw through "Quick Settings" via "Xbox Game Bar"



### Marco Keys setting

Program the "Macro Keys" effortlessly



MSI App Player

## MSI APP PLAYER PLAY MOBILE GAMES AS CONSOLE WITH CONTROLLER

Developed under an exclusive partnership with BlueStacks, MSI App Player is an Android emulator tailored for running Android applications and games on PC or Handheld.





In ancient Norse mythology, the great World Tree Yggdrasil connects the nine realms, where gods, giants, and humans forge their destinies through struggle and cooperation. When the prophesied Ragnarök arrives, chaos sweeps through the lands, and the nine realms face their ultimate trial, but after destruction comes rebirth—the dawn of a new era of hope and order.





# DRAGONFORGED DOMINANCE

— MSI GeForce RTX™ 50 Series Laptop —

The MSI Titan 18 HX Dragon Edition Norse Myth fully embodies this spirit of creation and challenge. Its limited-edition artistic design features unique engraved craftsmanship, with a mythological plaque representing the dragon spirit embedded in the palm rest. Intricate Norse mythology carvings combine with the powerful NVIDIA® GeForce RTX™ 50 Series Laptop GPUs to not only showcase outstanding performance but also serve as a collectible work of art. Whether conquering games or engaging in creative design, the Titan 18 is your reliable partner in every challenge.





# TITAN 18 HX

## DRAGON EDITION NORSE MYTH

Model Name	Titan 18 HX Dragon Edition Norse Myth
Processor	Intel® Core™ Ultra 9 processor 275HX
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)
Memory	DDR5, 2 slots, up to 96GB
Display	18" UHD+ (3840x2400), 16:10, MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typ.), VESA DisplayHDR™ 1000 Certified, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7
Storage Slot	1 x NVMe M.2 SSD by PCIe Gen5 x4 3 x NVMe M.2 SSD by PCIe Gen4 x4
Keyboard	Cherry Mechanical Per-Key RGB gaming keyboard by SteelSeries with Copilot Key
Audio	6 Speakers designed by Dynaudio system (4 x 2W Speakers + 2 x 2W Woofers) 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready
USB Ports	2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1) 3 x USB 3.2 Gen2 Type-A
Card Reader	1 x SD Express Memory Card Reader
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1)
Communication	Gigabit Ethernet (up to 2.5GbE) / Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
Security	Firmware Trusted Platform Module(fTPM) 2.0 / IR Webcam / Webcam Shutter / Kensington Lock
Battery	4-Cell, Li-Polymer, 99.9Whr
Power Adapter	400W
Dimension / Weight	404 (W) x 307.5 (D) x 24~32.05 (H) mm / 3.6 Kg
Exclusive Features	1. Unique Norse Myth Dragon Edition features hand-painted with etching techniques. 2. OverBoost Ultra Technology and push the performance to next level. Total Power up to 270W = TDP 95W + TGP 175W 3. Exclusive Vapor Chamber cooler with 2 fans and 4 exhausts. 4. 4 x M.2 SSD slots with one slot supporting PCIe Gen 5 and equipped with a proprietary heat pipe design to maintain optimal disk performance during extended operations. 5. Cherry Mechanical Per-Key RGB Gaming Keyboard by SteelSeries and Mystic Light with seamless RGB haptic touchpad design. 6. 4 x 2W Speakers + 2 x 2W Woofers designed by Dynaudio system. 7. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.

\*Product specification, functions and appearance may vary by models and differ from country to country. All specifications are subject to change without notice.



**msi**



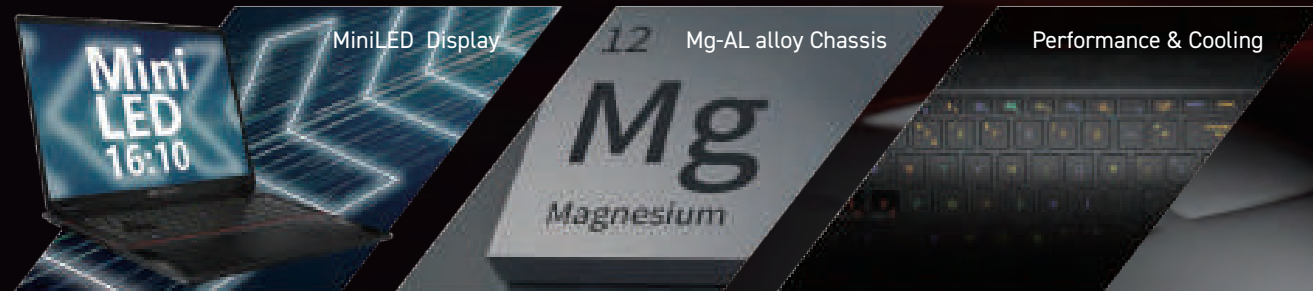
**AMG**  
MOTORSPORT

Official Partner

The luxurious gaming laptop features a brand new Mercedes-AMG Motorsport co-branded exterior design, incorporating the luxurious and understated elements of Mercedes-Benz, accented with red highlights representing AMG performance and MSI spirit. The classic emblem shines, while the streamlined seams display perfect craftsmanship, creating an exquisite design style.

## LUXURY GAMING EXPERIENCE

**STEALTH 18 Mercedes-AMG Motorsport**







BEST  
IN SHOW

2024



LUXURY GAMING EXPERIENCE

STEALTH 18  
Mercedes-AMG Motorsport

Model Name	Stealth 18 Mercedes-AMG Motorsport A1V
Processor	Intel® Core™ Ultra 9 processor 185H
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)
Memory	DDR5, 2 slots, up to 96GB
Display	18" UHD+ (3840x2400), 16:10, MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typ.), VESA DisplayHDR™ 1000 Certified, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 4080 Laptop GPU 12GB GDDR6 (A1VHG)
Storage Slot	2 x NVMe M.2 SSD by PCIe Gen4 x4
Keyboard	Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key
Audio	2 x 2W Speakers and 4 x 2W Woofers designed by Dynaudio system 1 x Audio combo jack Nahimic 3 Audio Enhancer Hi-Res Audio ready
USB Ports	1 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.1) 1x USB 3.2 Gen2 Type-C / DisplayPort™ 2 x USB 3.2 Gen2 Type-A
Card Reader	1 x SD Express Memory Card Reader
Video Output	1 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.1) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ 1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz)
Communication	Intel® Killer™ Ethernet E3100 (up to 2.5 GbE) / Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
Security	IR Webcam / Fingerprint Reader / Firmware Trusted Platform Module(fTPM) 2.0 / Webcam Shutter / Kensington Lock
Battery	4-Cell, Li-Polymer, 99.9Whr
Power Adapter	280W adapter
Dimension / Weight	399.9 (W) x 289.6 (D) x 19.9-23.9 (H) mm / 2.89 Kg
Exclusive Features	1. Unique AMG pattern and Power button, WASD coating design. 2. Exclusive Vapor Chamber with IntraFlow Fan, redirecting the airflow and keep the system cool. 3. MiniLED 4K panel with DisplayHDR™ 1000 and 120Hz refresh rate and color accuracy bring an extraordinary visual experience. 4. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 5. 2 x 2W Speakers + 4 x 2W Woofers designed by Dynaudio system. 6. MSI AI Engine analyze your behavior and the applications used, and automatically adjust various system settings that best fit your need.

\*Product specification, functions and appearance may vary by models and differ from country to country. All specifications are subject to change without notice.



Color Box

Post Card

Mouse

Mouse Pad

Sleeve Bag

Cable Ties



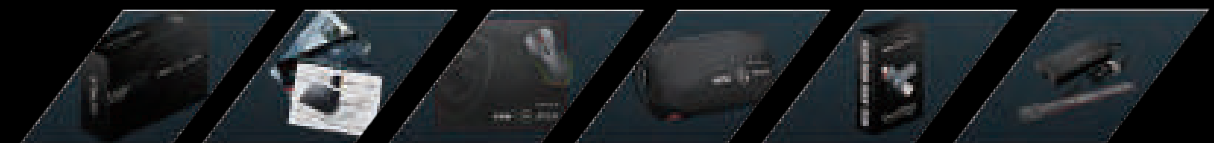


# LUXURY GAMING EXPERIENCE

## STEALTH 16 Mercedes-AMG Motorsport

Model Name	Stealth 16 Mercedes-AMG Motorsport A1V
Processor	Intel® Core™ Ultra 9 processor 185H
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)
Memory	DDR5, 2 slots, up to 96GB
Display	16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3 (Typical), VESA DisplayHDR™ 600 Certified, OLED panel
Graphics	NVIDIA® GeForce RTX™ 4070 Laptop GPU 8GB GDDR6 (A1VGG)
Storage Slot	2 x NVMe M.2 SSD by PCIe Gen4 x4
Keyboard	Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key
Audio	2 x 2W Speakers and 4 x 2W Woofers designed by Dynaudio system 1 x Audio combo jack Nahimic 3 Audio Enhancer Hi-Res Audio ready
USB Ports	1 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.0) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ 1 x USB 3.2 Gen2 Type-A
Card Reader	1 x microSD Card Reader
Video Output	1 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.0) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ 1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz)
Communication	Intel® Killer™ Ethernet E3100 (up to 2.5 GbE) / Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
Security	IR Webcam / Fingerprint Reader / Firmware Trusted Platform Module(fTPM) 2.0 / Webcam Shutter / Kensington Lock
Battery	4-Cell, Li-Polymer, 99.9Whr
Power Adapter	240W
Dimension / Weight	355.8 (W) x 259.7 (D) x 19.95 (H) mm / 1.99 Kg
Exclusive Features	<ol style="list-style-type: none"> <li>1. Unique AMG pattern and Power button design.</li> <li>2. Exclusive Cooler Boost 5 cooling with 2 fans and 5 heat pipes.</li> <li>3. Experience the more immersive and smoother gameplay world with OLED panel and 240Hz refresh rate.</li> <li>4. Lightweight yet sturdy with Magnesium Aluminum Alloy chassis</li> <li>5. 2 x 2W Speakers + 4 x 2W Woofers designed by Dynaudio system.</li> <li>6. MSI AI Engine analyze your behavior and the applications used, and automatically adjust various system settings that best fit your need.</li> </ol>

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Color Box

Post Card

Mouse Pad / Mouse

Pouch

USB

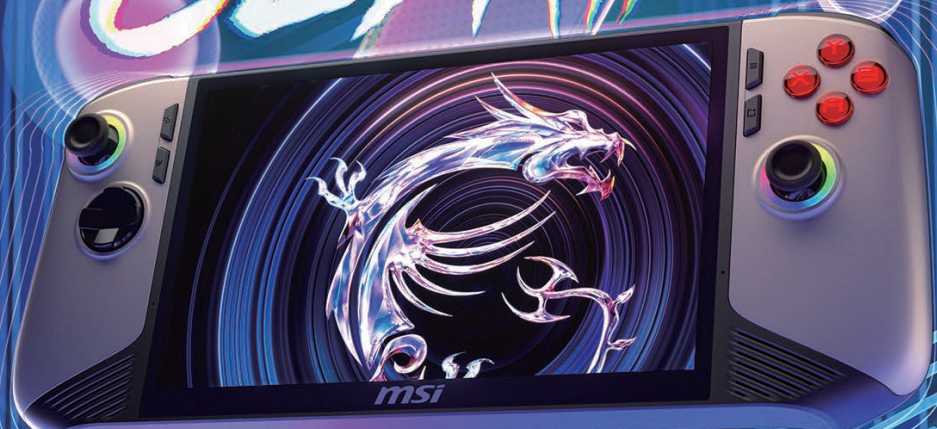
Cable Ties





TAIWAN  
EXCELLENCE  
2025

# CLAW 8



## CLAW 8 AI+ GRIP AND GAME

**120Hz**

### IMMERSIVE YET PORTABLE

Dive into the ultimate gaming experience with our 8-inch premium 120Hz gaming display with VRR support, bringing exceptional color reproduction and smooth action.



GAMING SERIES



### TAILORED SOFTWARE EASE OF USE

The new MSI Center M brings a visual overhaul that provides a more intuitive experience. The quick settings now comes with a more refined layout for faster, easier feature accesses.

**80Whr**

### BEST-IN-CLASS BATTERY LIFE

Unlock exceptional gaming endurance with our breakthrough battery capacity. It's where efficient power meets robust performance—more game, less charge.

**Cooler Boost  
HyperFlow**

### REVOLUTIONARY AIRFLOW: COOLED FROM WITHIN

MSI Claw's revolutionary intraflow thermal design redirects parts of the airflow to also cool the internals, keeping all components cool so you can game longer.

# HYPERFLOW







## ENDLESS EXPANDABILITY

Swift Transfers and Extensive Connectivity  
with dual Thunderbolt™ 4



## HALL EFFECT ANALOG STICKS & TRIGGERS

Outfitted with Hall Effect Analog Sticks & Triggers, built to last with microscopic precision.



Model Name	Claw 8 AI <sup>+</sup> A2VM
Processor	Intel® Core™ Ultra 7 processor 258V
Operating System	Windows 11 Home
Memory	LPDDR5x-8533 Memory on Package, 32GB, dual channel
Display	8" FHD+ (1920 x 1200), 16:10, Touchscreen, 120Hz Refresh Rate, 100% sRGB(Typical), 500nits(Typical), VRR, IPS-Level panel
Graphics	Intel® Arc™ GPU 140V (16GB)
Storage Slot	1 x NVMe M.2 2230 SSD by PCIe Gen 4 x4
Sensor	6-Axis IMU Vibration Motor / Fingerprint Reader
Communication	Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack DTS Audio Processing Hi-Res Audio ready
I/O Port	2 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.0) 1 x microSD Card Reader 1 x Audio Combo Jack
Battery	6-Cell, Li-Polymer, 80Whr
Power Adapter	65W USB Type-C PD
Dimension	299 (W) x 126(D) x 24(H) mm
Weight	795 g
Color	Sandstorm
Exclusive Features	1. Equipped with the industry's largest 80Whr battery, providing an extended gaming experience. 2. 32GB LPDDR5x-8533 memory provides faster speed and larger capacity for smooth gaming experience. 3. Cooler Boost HyperFlow with 2 fans & 2 pipes & revolutionary intraflow thermal design to drive full performance at optimal temperature. 4. MSI Center M with brand new UI design provides a user-friendly interface, customizable Quick Settings and advanced Macros. 5. 2 x Thunderbolt™ 4 ports provide fast data (40 Gbps) transfer and extensive connectivity, enabling a mini-PC experience. 6. Advanced Hall Effect joysticks and triggers with exceptional precision. 7. Ergonomic design for long-session comfort.

\*Product specification, functions and appearance may vary by models and differ from country to country. All specifications are subject to change without notice.  
\*On some devices, Copilot+ PC experiences require free updates available starting later this year and continuing into 2025. Timing varies by device and region. See [aka.ms/copilotpluspcs](https://aka.ms/copilotpluspcs)





reddot winner 2024



CLAW 7 AI+  
GRIP AND GAME

Model Name	Claw 7 AI+ A2VM
Processor	Intel® Core™ Ultra 7 processor 258V
Operating System	Windows 11 Home
Memory	LPDDR5x-8533 Memory on Package, 32GB, dual channel
Display	7" FHD (1920 x 1080), Touchscreen, 120Hz Refresh Rate, 100% sRGB(Typical), 500nits(Typical), VRR, IPS-Level panel
Graphics	Intel® Arc™ GPU 140V (16GB)
Storage Slot	1 x NVMe M.2 2230 SSD by PCIe Gen 4 x4
Sensor	6-Axis IMU Vibration Motor / Fingerprint Reader
Communication	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack DTS Audio Processing Hi-Res Audio ready
I/O Port	2 x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0) 1 x microSD Card Reader 1 x Audio Combo Jack
Battery	6-Cell, Li-Polymer, 54.5Whr
Adapter	65W USB Type-C PD
Dimension	290 (W) x 117(D) x 21.2(H) mm
Weight	675 g
Color	Black
Exclusive Features	1. 32GB LPDDR5x-8533 memory provides faster speed and larger capacity for smooth gaming experience. 2. Cooler Boost HyperFlow with 2 fans & 2 pipes & revolutionary intraflow thermal design to drive full performance at optimal temperature. 3. MSI Center M with brand new UI design provides a user-friendly interface, customizable Quick Settings and advanced Macros. 4. 2 x Thunderbolt™ 4 ports provide fast data (40 Gbps) transfer and extensive connectivity, enabling a mini-PC experience. 5. Advanced Hall Effect joysticks and triggers with exceptional precision. 6. Ergonomic design for long-session comfort.

\*Product specification, functions and appearance may vary by models and differ from country to country. All specifications are subject to change without notice.  
\*On some devices, Copilot+ PC experiences require free updates available starting later this year and continuing into 2025. Timing varies by device and region. See [aka.ms/copilotpluspcs](https://aka.ms/copilotpluspcs)





reddot winner 2024



# TITAN 18 HX AI

## TOTAL DOMINANCE

Model Name	Titan 18 HX AI A2XW
Processor	Intel® Core™ Ultra 9 processor 275HX
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)
Memory	DDR5, 2 slots, up to 96GB
Display	18" UHD+ (3840x2400), 16:10, MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typ.), VESA DisplayHDR™ 1000 Certified, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 (A2XWJG) NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A2XWIG)
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen5 x4 3 x NVMe M.2 SSD by PCIe Gen4 x4
Keyboard	Cherry Mechanical Per-Key RGB gaming keyboard by SteelSeries with Copilot Key
Audio	6 Speakers designed by Dynaudio system (4 x 2W Speakers + 2 x 2W Woofers) 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready
USB Ports	2 x Thunderbolt™ 5 (DisplayPort™ / Power Delivery 3.1) 3 x USB 3.2 Gen2 Type-A
Card Reader	1 x SD Express Memory Card Reader
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 2 x Thunderbolt™ 5 (DisplayPort™ / Power Delivery 3.1)
Communication	Gigabit Ethernet (up to 2.5GbE) / Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
Security	Firmware Trusted Platform Module(fTPM) 2.0 / IR Webcam / Webcam Shutter / Kensington Lock
Battery	4-Cell, Li-Polymer, 99.9Whr
Power Adapter	400W
Dimension / Weight	404 (W) x 307.5 (D) x 24~32.05 (H) mm / 3.6 Kg
Exclusive Features	1. OverBoost Ultra Technology and push the performance to next level. Total Power up to 270W = TDP 95W + TGP 175W 2. Exclusive Vapor Chamber cooler with 2 fans and 4 exhausts. 3. 4 x M.2 SSD slots with one slot supporting PCIe Gen 5 and equipped with a proprietary heat pipe design to maintain optimal disk performance during extended operations. 4. Cherry Mechanical Per-Key RGB Gaming Keyboard by SteelSeries and Mystic Light with seamless RGB haptic touchpad design. 5. 4 x 2W Speakers + 2 x 2W Woofers designed by Dynaudio system. 6. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.

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reddot winner 2024



# RAIDER 18 / A18 / 16

## LIGHT 'EM UP

Model Name	Raider 18 HX AI A2XW	Raider A18 HX A9W	Raider 16 HX AI A2XW
Processor	Intel® Core™ Ultra 9 processor 275HX	AMD Ryzen™ 9 9955HX3D Processor	Up to Intel® Core™ Ultra 9 processor 275HX
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)		
Memory	DDR5, 2 slots, up to 96GB		
Display	18" UHD+ (3840x2400), 16:10, MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typ.), VESA DisplayHDR™ 1000 Certified, IPS-Level panel		16" UHD+ (3840x2400), 16:10, MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typ.), VESA DisplayHDR™ 1000 Certified, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 (A2XWJG) NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A2XWIG)	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 (A9WJG) NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A9WIG)	NVIDIA® GeForce RTX™ 50 Series Laptop GPU
Storage Slot	1 x NVMe M.2 SSD by PCIe Gen5 x4 1 x NVMe M.2 SSD by PCIe Gen4 x4		
Keyboard	Per-Key RGB gaming keyboard by SteelSeries with Copilot Key		
Audio	6 Speakers designed by Dynaudio system (4 x 2W Speakers + 2 x 2W Woofers) 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready		4 Speakers designed by Dynaudio system (2 x 2W Speakers + 2 x 2W Woofers) 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready
USB Ports	2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1) 3 x USB 3.2 Gen2 Type-A	2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible) 1 x USB 3.2 Gen2 Type-A 2 x USB 3.2 Gen1 Type-A	2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1) 2 x USB 3.2 Gen2 Type-A
Card Reader	1 x SD Express Memory Card Reader		
Video Output	1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz) 2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1)	1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz) 2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible)	1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz) 2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1)
Communication	Gigabit Ethernet (up to 2.5GbE) / Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4	Gigabit Ethernet (up to 2.5GbE) / AMD® Wi-Fi 7, Bluetooth v5.4	Gigabit Ethernet (up to 2.5GbE) / Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)		
Scurity	Firmware Trusted Platform Module(fTPM) 2.0 IR Webcam / Webcam Shutter Fingerprint Reader / Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 Microsoft Pluton Security Technology IR Webcam / Webcam Shutter Fingerprint Reader / Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 IR Webcam / Webcam Shutter Kensington Lock
Battery	4-Cell, Li-Polymer, 99.9Whr		
Power Adapter	400W		280W
Dimension / Weight	404 (W) x 307.5 (D) x 24~32.05 (H) mm 3.6 Kg	404 (W) x 307.5 (D) x 24~32.05 (H) mm 3.6 Kg	357 (W) x 284 (D) x 22.2~28.55 (H) mm 2.75 Kg
Exclusive Features	<div>1. OverBoost Ultra Technology pushes the performance to the next level. Total Power up to 260W = TDP 85W + TGP 175W (Raider A18 HX/Raider 18 HX AI)</div> <div>2. Exclusive Cooler Boost 5 with dual fans, 6 heat pipes, and dedicated PCIe Gen5 SSD cooling design.</div> <div>3. Thunderbolt™ 5 offers up to 120Gbps transmit bandwidth with bandwidth boost, which is 3 times faster than before, and supports dual 8K displays. (Raider 18/16 HX AI)</div> <div>4. Per-Key RGB keyboard by SteelSeries tailors your keyboard with customizable color and macros design.</div> <div>5. MiniLED 4K panel with DisplayHDR™ 1000, 120Hz refresh rate and color accuracy bring an extraordinary visual experience.</div> <div>6. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.</div>		

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# VECTOR

## 18 / A18 / 17 / A17 / 16 HX

### BORN FOR PERFORMANCE

Model Name	Vector 18 HX AI A2XW	Vector A18 HX A9W
Processor	Up to Intel® Core™ Ultra 9 processor 275HX	Up to AMD Ryzen™ 9 9955HX Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	18" QHD+ (2560x1600), 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A9WIG) NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU 12GB GDDR7 (A9WHG)
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen5 x4 1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	26-Zone RGB Gaming Keyboard with Copilot Key	
Audio	4 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	2 x Thunderbolt™ 5 (DisplayPort™ / Power Delivery 3.1) 3 x USB 3.2 Gen2 Type-A	2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible) 1 x USB 3.2 Gen2 Type-A 2 x USB 3.2 Gen1 Type-A
Card Reader	1 x SD Express Memory Card Reader	
Video Output	2 x Thunderbolt™ 5 (DisplayPort™ / Power Delivery 3.1) 1 x HDMI™ 2.1 (8K@ 60Hz / 4K@ 120Hz)	2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible) 1 x HDMI™ 2.1 (8K@ 60Hz / 4K@ 120Hz)
Communication	Gigabit Ethernet (up to 2.5GbE) Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4	Gigabit Ethernet (up to 2.5GbE) AMD® Wi-Fi 7, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)
Security	Firmware Trusted Platform Module(fTPM) 2.0 IR Webcam /Webcam Shutter Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 Microsoft Pluton Security Technology IR Webcam / Webcam Shutter Kensington Lock
Battery	4-Cell, Li-Polymer, 90Whr	4-Cell, Li-Polymer, 90Whr
Power Adapter	330W	400W
Dimension / Weight	404 (W) x 307.5 (D) x 24~32.05 (H) mm / 3.6 Kg	404 (W) x 307.5 (D) x 24~32.05 (H) mm / 3.6 Kg
Exclusive Features	1. Exclusive Cooler Boost 5 with dual fans, 6 heat pipes, and dedicated PCIe Gen5 SSD cooling design. 2. OverBoost Ultra Technology and push the performance to next level. Total Power up to 260W = TDP 85W + TGP 175W (Vector A18 HX) 3. Thunderbolt™ 5 offers up to 120Gbps transmit bandwidth with bandwidth boost, which is 3 times faster than before, and supports dual 8K displays. (Vector 18 HX AI) 4. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 5. 26-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 6. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.	

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Model Name	Vector 17 HX AI A2XW	Vector A17 HX A9XW
Processor	Up to Intel® Core™ Ultra 9 processor 275HX	Up to AMD Ryzen™ 9 9955HX Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	17" QHD+ (2560x1600), 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 (A2XWJG) NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A2XWIG) NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU 12GB GDDR7 (A2XWHG)	NVIDIA® GeForce RTX™ 50 Series Laptop GPU
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen5 x4 1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	24-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1) 2 x USB 3.2 Gen2 Type-A	2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible) 2 x USB 3.2 Gen2 Type-A
Card Reader	1 x SD Express Memory Card Reader	
Video Output	2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1) 1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz)	2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible) 1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz)
Communication	Gigabit Ethernet (up to 2.5GbE) Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4	Gigabit Ethernet (up to 2.5GbE) AMD® Wi-Fi 7, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 IR Webcam / Webcam Shutter / Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 Microsoft Pluton Security Technology IR Webcam / Webcam Shutter / Kensington Lock
Battery	4-Cell, Li-Polymer, 90Whr	
Power Adapter	280W	
Dimension / Weight	380 (W) x 297.97 (D) x 23.55~29.45 (H) mm / 3 Kg	
Exclusive Features	1. Exclusive Cooler Boost 5 with dual fans, 6 heat pipes, and dedicated PCIe Gen5 SSD cooling design. 2. OverBoost Ultra Technology and push the performance to next level. 3. Thunderbolt™ 5 offers up to 120Gbps transmit bandwidth with bandwidth boost, which is 3 times faster than before, and supports dual 8K displays. (Vector 17 HX AI) 4. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 5. 24-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 6. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.	

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Model Name	Vector 16 HX AI A2XW	
Processor	Up to Intel® Core™ Ultra 9 processor 275HX	
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	16" QHD+ (2560x1600), 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel 16" FHD+ (1920x1200), 144Hz Refresh Rate, IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A2XWIG) NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU 12GB GDDR7 (A2XWHG)	
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen5 x4 1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	24-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1) 2 x USB 3.2 Gen2 Type-A	
Card Reader	1 x SD Express Memory Card Reader	
Video Output	2 x Thunderbolt™ 5 (DisplayPort™/ Power Delivery 3.1) 1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz)	
Communication	Gigabit Ethernet (up to 2.5GbE) Up to Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4	
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 IR Webcam / Webcam Shutter Kensington Lock	
Battery	4-Cell, Li-Polymer, 90Whr	
Power Adapter	280W	
Dimension / Weight	357 (W) x 284 (D) x 22.2~28.55 (H) mm / 2.7 Kg	
Exclusive Features	1. Exclusive Cooler Boost 5 with dual fans, 6 heat pipes, and dedicated PCIe Gen5 SSD cooling design. 2. OverBoost Ultra Technology and push the performance to next level. 3. Thunderbolt™ 5 offers up to 120Gbps transmit bandwidth with bandwidth boost, which is 3 times faster than before, and supports dual 8K displays. 4. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 5. 24-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 6. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.	

\*Product specification, functions and appearance may vary by models and differ from country to country. All specifications are subject to change without notice.





# STEALTH 18 / A18

SLIM · SHARP · STYLISH

Model Name	Stealth 18 HX AI A2XW	Stealth A18 AI+ A3XW
Processor	Intel® Core™ Ultra 9 processor 275HX	
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	18" UHD+ (3840x2400), MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typ.), VESA DisplayHDR™ 1000 Certified, IPS-Level panel 18" QHD+ (2560x1600), 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel	18" UHD+ (3840x2400), MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typ.), VESA DisplayHDR™ 1000 Certified, IPS-Level panel 18" QHD+ (2560x1600), 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 (A2XWJG) NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A2XWIG) NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU 12GB GDDR7 (A2XWHG)	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 (A3XWJG) NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A3XWIG) NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU 12GB GDDR7 (A3XWHG)
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key	
Audio	6 Speakers designed by Dynaudio system (2 x 2W Speakers + 4 x 2W Woofers) 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	2 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.1) 2 x USB 3.2 Gen2 Type-A	2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible) 2 x USB 3.2 Gen2 Type-A
Card Reader	1 x SD Express Memory Card Reader	
Video Output	1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz) 2 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.0)	1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz) 2 x USB4® Type-C / DisplayPort™ / Power Delivery 3.1 (Thunderbolt™ 4 Compatible)
Communication	Gigabit Ethernet (up to 2.5GbE) Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4	Gigabit Ethernet (up to 2.5GbE) AMD® Wi-Fi 7, Bluetooth v5.4
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 / IR Webcam / Webcam Shutter / Fingerprint Reader / Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 / Microsoft Pluton Security Technology / IR Webcam / Webcam Shutter / Fingerprint Reader / Kensington Lock
Battery	4-Cell, Li-Polymer, 99.9Whr	
Power Adapter	280W	
Dimension / Weight	399.99 (W) x 289.67 (D) x 19.9-23.99 (H) mm / 2.89 Kg	
Exclusive Features	1. Exclusive Vapor Chamber Cooler with 2 fans, 4 exhausts and Vaper Chamber. 2. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 3. Per-Key RGB keyboard by SteelSeries tailors your keyboard with customizable color and macros design. 4. Lightweight yet sturdy design with Magnesium Aluminum Alloy chassis. 5. 2 × 2W Speakers + 4 x 2W Woofers provide surround sound designed by world-class Dynaudio system. 6. NVIDIA® Studio Laptop is purpose-built with vivid color displays and blazing-fast memory and storage to boost your workflows.	

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\*On some devices, Copilot+ PC experiences require free updates available starting later this year and continuing into 2025. Timing varies by device and region. See [aka.ms/copilotpluspcs](https://aka.ms/copilotpluspcs)





STEALTH 16 / A16

SLIM · SHARP · STYLISH

Model Name	Stealth 16 AI A2HW	Stealth A16 AI <sup>+</sup> A3XW	Stealth A16 AI <sup>+</sup> A3XV / A3HV
Processor	Up to Intel® Core™ Ultra 9 processor 285H	AMD Ryzen™ AI 9 HX 370 Processor	Up to AMD Ryzen™ AI 9 HX 370 Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)		
Memory	DDR5, 2 slots, up to 96GB	LPDDR5x onboard, up to 64GB, dual channel	LPDDR5x onboard, up to 64GB, dual channel
Display	16" UHD+ (3840x2400), 16:10, MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typical), IPS-Level panel 16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typical), VESA DisplayHDR™ True Black 600, OLED panel 16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel	16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typical), VESA DisplayHDR™ True Black 600, OLED panel	16" UHD+ (3840x2400), 16:10, MiniLED, 120Hz Refresh Rate, 100% DCI-P3 (Typical), IPS-Level panel 16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typical), VESA DisplayHDR™ True Black 600, OLED panel 16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 5090 Laptop GPU 24GB GDDR7 (A3XWJG) NVIDIA® GeForce RTX™ 5080 Laptop GPU 16GB GDDR7 (A3XWIG) NVIDIA® GeForce RTX™ 5070 Ti Laptop GPU 12GB GDDR7 (A3XWHG)		NVIDIA® GeForce RTX™ 4070 Laptop GPU 8GB GDDR6 (A3XVGG / A3HVGG) NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 (A3HVFV)
Storage Slot	2 x NVMe M.2 SSD by PCIe Gen4 x4	1 x NVMe M.2 SSD by PCIe Gen4 x4	2 x NVMe M.2 SSD by PCIe Gen4 x4
Keyboard	Per-Key RGB Gaming Keyboard by SteelSeries with Copilot Key		
Audio	6 Speakers designed by Dynaudio system (2 x 2W Speakers + 4 x 2W Woofers) 1 x Audio combo jack / Nahimic 3 Audio Enhance / Hi-Res Audio ready		
USB Ports	1 x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0) 2 x USB 3.2 Gen2 Type-A	1 x USB4® Type-C / DisplayPort™ / Power Delivery 3.0 (Thunderbolt™ 4 Compatible) 2 x USB 3.2 Gen2 Type-A	
Video Output	1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz) 1 x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0)	1 x HDMI™ 2.1 (8K@60Hz / 4K@120Hz) 1 x USB4® Type-C / DisplayPort™ / Power Delivery 3.0 (Thunderbolt™ 4 Compatible)	
Communication	Gigabit Ethernet (up to 2.5GbE) / Intel® Killer™ Wi-Fi 7 BE1750, Bluetooth v5.4	Gigabit Ethernet (up to 2.5GbE) / Wi-Fi 7, Bluetooth v5.4	
Webcam	IR FHD type (30fps@1080p) with HDR & 3D Noise Reduction+ (3DNR+)		
Security	Firmware Trusted Platform Module(FTPM) 2.0 / IR Webcam / Webcam Shutter / Fingerprint Reader / Kensington Lock	Firmware Trusted Platform Module(FTPM) 2.0 / Microsoft Pluton Security Technology / IR Webcam / Webcam Shutter / Fingerprint Reader / Kensington Lock	
Battery / Power Adapter	4-Cell, Li-Polymer, 99.9Whr / 240W		
Dimension / Weight	355.8 (W) x 259.7 (D) x 19.95 (H) mm / 2.1 Kg	355.8 (W) x 259.7 (D) x 19.95 (H) mm / 2.1 Kg	355.8 (W) x 259.7 (D) x 19.95 (H) mm / 2.1 Kg
Exclusive Features	1. Exclusive Cooler Boost 5 cooling with dedicated 2 fans and up to 7 copper heat pipes. 2. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 3. Per-Key RGB keyboard by SteelSeries tailors your keyboard with customizable color and macros design. 4. 2.1kg lightweight yet sturdy design with Magnesium Aluminum Alloy chassis. 5. 2 × 2W Speakers + 4 x 2W Woofers provide surround sound designed by world-class Dynaudio system. 6. NVIDIA® Studio Laptop is purpose-built with vivid color displays and blazing-fast memory and storage to boost your workflows.		

\*Product specification, functions and appearance may vary by models and differ from country to country. All specifications are subject to change without notice.  
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# CROSSHAIR

## 18 / A18 / 17 / A17 / 16 / A16

### AIM TO PERFORM

Model Name	Crosshair 18 HX AI A2XW	Crosshair A18 HX A7W
Processor	Up to Intel® Core™ Ultra 9 processor 275HX	AMD Ryzen™ 9 7945HX Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	18" QHD+ (2560x1600), 240Hz Refresh Rate, 100% DCI-P3(Typical), IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen5 x4 1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	24-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	1 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.0) 3 x USB 3.2 Gen1 Type-A	1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0 3 x USB 3.2 Gen1 Type-A
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.0)	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3	Gigabit Ethernet / AMD® Wi-Fi 6E, Bluetooth v5.3
Webcam	HD type (30fps@720p) with 3D Noise Reduction (3DNR)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Webcam Shutter / Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 / Microsoft Pluton Security Technology / Webcam Shutter / Kensington Lock
Battery	4-Cell, Li-Polymer, 90Whr	
Power Adapter	240W	
Dimension	404 (W) x 280 (D) x 25.6~29.9(H) mm	
Weight	2.9 Kg	
Exclusive Features	<ol style="list-style-type: none"><li>1. Maximize the CPU and GPU power with MSI OverBoost Technology for the next level performance.</li><li>2. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power.</li><li>3. Exclusive Cooler Boost 5 cooling with dedicated 2 fans 5 copper heat pipes.</li><li>4. 24-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light.</li><li>5. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.</li><li>6. Nahimic 3 Audio Technology delivers 360 immersive audio experience and in-game 3D surround sound.</li></ol>	

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Model Name	Crosshair 17 HX AI D2XW	Crosshair A17 HX A7W
Processor	Up to Intel® Core™ Ultra 9 processor 275HX	AMD Ryzen™ 9 7945HX Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	17" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typ.), IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen5 x4 1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	24-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	1 x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0) 3 x USB 3.2 Gen1 Type-A	1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0 3 x USB 3.2 Gen1 Type-A
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0)	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3	Gigabit Ethernet / AMD® Wi-Fi 6E, Bluetooth v5.3
Webcam	HD type (30fps@720p) with 3D Noise Reduction (3DNR)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Webcam Shutter / Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 / Microsoft Pluton Security Technology / Webcam Shutter / Kensington Lock
Battery	4-Cell, Li-Polymer, 90Whr	
Power Adapter	240W	
Dimension	383.2 (W) x 279.9 (D) x 22.2~29.7(H) mm	
Weight	2.8 Kg	
Exclusive Features	1. Maximize the CPU and GPU power with MSI OverBoost Technology for the next level performance. 2. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 3. Exclusive Cooler Boost 5 cooling with dedicated 2 fans 5 copper heat pipes. 4. 24-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 5. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way. 6. Nahimic 3 Audio Technology delivers 360 immersive audio experience and in-game 3D surround sound.	

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Model Name	Crosshair 16 HX AI D2XW	Crosshair A16 HX A7W
Processor	Up to Intel® Core™ Ultra 9 processor 275HX	AMD Ryzen™ 9 7945HX Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typ.), IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen5 x4 1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	24-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	1 x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0) 3 x USB 3.2 Gen1 Type-A	1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0 3 x USB 3.2 Gen1 Type-A
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x Thunderbolt™ 4 (DisplayPort™/ Power Delivery 3.0)	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3	Gigabit Ethernet / AMD® Wi-Fi 6E, Bluetooth v5.3
Webcam	HD type (30fps@720p) with 3D Noise Reduction (3DNR)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 Webcam Shutter / Kensington Lock	Firmware Trusted Platform Module(fTPM) 2.0 Microsoft Pluton Security Technology / Webcam Shutter Kensington Lock
Battery	4-Cell, Li-Polymer, 90Whr	
Power Adapter	240W	
Dimension	359 (W) x 266.4 (D) x 21.8~27.9(H) mm	
Weight	2.5 Kg	
Exclusive Features	1. Maximize the CPU and GPU power with MSI OverBoost Technology for the next level performance. 2. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 3. Exclusive Cooler Boost 5 cooling with dedicated 2 fans 5 copper heat pipes. 4. 24-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 5. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way. 6. Nahimic 3 Audio Technology delivers 360 immersive audio experience and in-game 3D surround sound.	

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# PULSE A17 / A16

## PULSATING POWER

Model Name	Pulse A17 AI <sup>+</sup> c3HW	Pulse A16 AI <sup>+</sup> c3HW
Processor	AMD Ryzen™ AI 7 350 Processor	
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	17" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typ.), IPS-Level panel	16" QHD+ (2560x1600), 16:10, 240Hz Refresh Rate, 100% DCI-P3(Typ.), IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	24-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	1 x USB4® Type-C / DisplayPort™ / Power Delivery 3.0 (Thunderbolt™ 4 Compatible) 3 x USB 3.2 Gen1 Type-A	
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB4® Type-C / DisplayPort™ / Power Delivery 3.0 (Thunderbolt™ 4 Compatible)	
Communication	Gigabit Ethernet / AMD® Wi-Fi 6E, Bluetooth v5.3	
Webcam	IR HD type (30fps@720p) with 3D Noise Reduction (3DNR)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Microsoft Pluton Security Technology / Webcam Shutter / Kensington Lock	
Battery	4-Cell, Li-Polymer, 90Whr	
Power Adapter	240W	
Dimension	383.2 (W) x 279.9 (D) x 22.2~29.7(H) mm	359 (W) x 266.4 (D) x 21.8~27.9(H) mm
Weight	2.8 Kg	2.5 Kg
Exclusive Features	<div>1. Maximize the CPU and GPU power with MSI OverBoost Technology for the next level performance.</div> <div>2. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power.</div> <div>3. Exclusive Cooler Boost 5 cooling with dedicated 2 fans 5 copper heat pipes.</div> <div>4. 24-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light.</div> <div>5. Exclusive MSI AI applications with AI Robot, MSI AI Engine, and AI Noise Cancellation Pro that enhance user experience in a smarter way.</div> <div>6. USB4® delivers blazing-fast 40Gbps speed, enhanced power delivery, and Thunderbolt™ 4 compatibility in a single versatile connection.</div>	

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# KATANA

## 17 / A17 / 15 / A15

### SHARPEN YOUR GAME

Model Name	Katana 17 B2RV / B2RU	Katana 17 HX B14XW
Processor	Up to Intel® Core™ 7 processor 240H	Up to Intel® Core™ i7 processor 14650HX
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 64GB	
Display	17.3" FHD (1920x1080), 144 Hz Refresh Rate, IPS-Level panel	17.3" FHD (1920x1080), 144 Hz Refresh Rate, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (B2RVE) NVIDIA® GeForce RTX™ 3050 Laptop GPU 6GB GDDR6 96-bit (B2RUDX)	NVIDIA® GeForce RTX™ 50 Series Laptop GPU
Storage Slots	2 x NVMe M.2 SSD by PCIe Gen4 x4	1 x NVMe M.2 SSD by PCIe Gen4 x4
Keyboard	4-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	1 x USB 3.2 Gen1 Type-C / DisplayPort™ 2 x USB 3.2 Gen1 Type-A 1 x USB 2.0 Type-A	1 x USB 3.2 Gen1 Type-C / DisplayPort™ / Power Delivery 3.0 3 x USB 3.2 Gen1 Type-A
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen1 Type-C / DisplayPort™	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen1 Type-C / DisplayPort™ / Power Delivery 3.0
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Webcam	HD type (30fps@720p)	IR HD type (30fps@720p)
Security	Firmware Trusted Platform Module(TPM) 2.0	
Battery	3-Cell, Li-Polymer, 53.5Whr	
Power Adapter	200W (B2RVEK) / 180W (B2RUDXK)	240W (est.)
Dimension	398 (W) x 273 (D) x 25.2 (H) mm	398 (W) x 273 (D) x 25.25~28.25 (H) mm (est.)
Weight	2.6 Kg	2.7 Kg (est.)
Exclusive Features	<ol style="list-style-type: none"><li>1. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power.</li><li>2. Unlock full power GPU for the next level performance. (Katana HX)</li><li>3. 4-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light.</li><li>4. Exclusive Cooler Boost 5 cooling with dedicated 2 fans and up to 6 copper heat pipes.</li><li>5. MSI AI Engine sense your behavior and automatically adjust the system settings that best fit your need.</li><li>6. Nahimic 3 Audio Technology delivers 360 immersive audio experience and in-game 3D surround sound.</li></ol>	

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Model Name	Katana A17 AI B8V	Katana 15 B2RV / B2RU
Processor	Up to AMD Ryzen™ 9 8945HS Processor	Up to Intel® Core™ 7 processor 240H
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 64GB	
Display	17.3" FHD (1920x1080), 144 Hz Refresh Rate, IPS-Level panel	15.6" FHD (1920x1080), 144 Hz Refresh Rate, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 4070 Laptop GPU 8GB GDDR6 (B8VG) NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 (B8VF) NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (B8VE)	NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (B2RVE) NVIDIA® GeForce RTX™ 3050 Laptop GPU 6GB GDDR6 96-bit (B2RUDX)
Storage Slots	2 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	4-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	1 x USB 3.2 Gen1 Type-C / DisplayPort™ 2 x USB 3.2 Gen1 Type-A 1 x USB 2.0 Type-A	
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen1 Type-C / DisplayPort™	
Communication	Gigabit Ethernet / AMD® Wi-Fi 6E AX211, Bluetooth v5.3	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Webcam	HD type (30fps@720p)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Microsoft Pluton Security Technology	Firmware Trusted Platform Module(fTPM) 2.0
Battery	3-Cell, Li-Polymer, 53.5Whr	
Power Adapter	200W	200W (B2RVEK) / 180W (B2RUDXK)
Dimension	398 (W) x 273 (D) x 25.2 (H) mm	359 (W) x 259 (D) x 24.9 (H) mm
Weight	2.7 Kg	2.25 Kg
Exclusive Features	1. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 2. Unlock full power GPU for the next level performance. (Katana HX) 3. 4-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 4. Exclusive Cooler Boost 5 cooling with dedicated 2 fans and up to 6 copper heat pipes. 5. MSI AI Engine sense your behavior and automatically adjust the system settings that best fit your need. 6. Nahimic 3 Audio Technology delivers 360 immersive audio experience and in-game 3D surround sound.	

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Model Name	Katana 15 HX B14XW	Katana A15 AI B8V
Processor	Up to Intel® Core™ i7 processor 14650HX	Up to AMD Ryzen™ 9 8945HS Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 64GB	
Display	15.6" FHD (1920x1080), 144 Hz Refresh Rate, IPS-Level panel	15.6" FHD (1920x1080), 144 Hz Refresh Rate, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	NVIDIA® GeForce RTX™ 4070 Laptop GPU 8GB GDDR6 (B8VG) NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 (B8VF) NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (B8VE)
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen4 x4	2 x NVMe M.2 SSD by PCIe Gen4 x4
Keyboard	4-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack Nahimic 3 Audio Enhance Hi-Res Audio ready	
USB Ports	1 x USB 3.2 Gen1 Type-C / DisplayPort™ / Power Delivery 3.0 3 x USB 3.2 Gen1 Type-A	1 x USB 3.2 Gen1 Type-C / DisplayPort™ 2 x USB 3.2 Gen1 Type-A 1 x USB 2.0 Type-A
Video Output	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen1 Type-C / DisplayPort™ / Power Delivery 3.0	1 x HDMI™ 2.1(8K@60Hz / 4K@120Hz) 1 x USB 3.2 Gen1 Type-C / DisplayPort™
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3	Gigabit Ethernet / AMD® Wi-Fi 6E AX211, Bluetooth v5.3
Webcam	IR HD type (30fps@720p)	HD type (30fps@720p)
Security	Firmware Trusted Platform Module(fTPM) 2.0	Firmware Trusted Platform Module(fTPM) 2.0 Microsoft Pluton Security Technology
Battery	3-Cell, Li-Polymer, 53.5Whr	
Power Adapter	240W (est.)	200W
Dimension	359 (W) x 259 (D) x 24.95~27.95 (H) mm (est.)	359 (W) x 259 (D) x 24.9 (H) mm
Weight	2.35 Kg (est.)	2.25 Kg
Exclusive Features	1. The Discrete Graphics mode (MUX) redirects the GPU to utilize its full power. 2. Unlock full power GPU for the next level performance. (Katana HX) 3. 4-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 4. Exclusive Cooler Boost 5 cooling with dedicated 2 fans and up to 6 copper heat pipes. 5. MSI AI Engine sense your behavior and automatically adjust the system settings that best fit your need. 6. Nahimic 3 Audio Technology delivers 360 immersive audio experience and in-game 3D surround sound.	

\*Product specification, functions and appearance may vary by models and differ from country to country. All specifications are subject to change without notice.





# CYBORG

## 17 / A17 / 15 / A15 / 14

### CYBER-UP!

Model Name	Cyborg 17 B2RW	Cyborg A17 AI B2HW
Processor	Up to Intel® Core™ 7 processor 240H	Up to AMD Ryzen™ 7 260 Processor
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	
Display	17.3" FHD (1920x1080), 144Hz Refresh Rate, IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	4-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack DTS Audio Processing Hi-Res Audio ready	
USB Ports	1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0 2 x USB 3.2 Gen1 Type-A	
Video Output	1 x HDMI™ 2.1(4K@60Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0	
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3	Gigabit Ethernet / AMD® Wi-Fi 6E, Bluetooth v5.3
Webcam	HD type (30fps@720p)	HD type (30fps@720p)
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Kensington Lock Webcam Shutter / Secured-core PCs	Firmware Trusted Platform Module(fTPM) 2.0 Microsoft Pluton Security Technology / Kensington Lock Webcam Shutter / Secured-core PCs
Battery	3-Cell, Li-Polymer, 55.2Whr	
Power Adapter	150W	
Dimension	399.3 (W) x 258 (D) x 22.2 (H) mm	
Weight	2.4 Kg	
Exclusive Features	1. Translucent and stylish chassis with light weight design. 2. 4-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 3. MSI AI Engine sense your behavior and automatically adjust the system settings that best fit your need. 4. Wi-Fi 6E with 6GHz band delivers stunning speed while keeps the network smooth and stable. 5. MSI Center helps control and customize your MSI laptop and full suite of useful features. 6. MSI App Player - an Android Emulator providing seamless gaming experience between mobile and PC.	

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Model Name	Cyborg 15 B2RW	Cyborg 15 A2RV / A2RU
Processor	Up to Intel® Core™ 7 processor 240H	Up to Intel® Core™ 7 processor 240H
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	DDR5, 2 slots, up to 64GB
Display	15.6" FHD (1920x1080), 144Hz Refresh Rate, IPS-Level panel	
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (A2RVEK) NVIDIA® GeForce RTX™ 3050 Laptop GPU 6GB GDDR6 96-bit (A2RUDXK)
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	4-Zone RGB Gaming Keyboard with Copilot Key	
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack DTS Audio Processing Hi-Res Audio ready	
USB Ports	1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0 2 x USB 3.2 Gen1 Type-A	1 x USB 3.2 Gen2 Type-C / DisplayPort™ 2 x USB 3.2 Gen1 Type-A
Video Output	1 x HDMI™ 2.1(4K@60Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0	1 x HDMI™ 2.1(4K@60Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3	
Webcam	HD type (30fps@720p)	
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Kensington Lock Webcam Shutter / Secured-core PCs	Firmware Trusted Platform Module(fTPM) 2.0 Kensington Lock
Battery	3-Cell, Li-Polymer, 55.2Whr	3-Cell, Li-Polymer, 53.5Whr
Power Adapter	150W	120W
Dimension	359.36 (W) x 245.25 (D) x 23.15 (H) mm	359.36 (W) x 250.34 (D) x 21.95~22.9 (H) mm
Weight	1.95 Kg	1.98 Kg
Exclusive Features	1. Translucent and stylish chassis with light weight design. 2. 4-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. 3. MSI AI Engine sense your behavior and automatically adjust the system settings that best fit your need. 4. Wi-Fi 6E with 6GHz band delivers stunning speed while keeps the network smooth and stable. 5. MSI Center helps control and customize your MSI laptop and full suite of useful features. 6. MSI App Player - an Android Emulator providing seamless gaming experience between mobile and PC.	

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Model Name	Cyborg A15 AI B2HW	Cyborg 14 A2RV / A2RU
Processor	Up to AMD Ryzen™ 7 260 Processor	Up to Intel® Core™ 7 processor 240H
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)	
Memory	DDR5, 2 slots, up to 96GB	DDR5, 2 slots, up to 64GB
Display	15.6" FHD (1920x1080), 144Hz Refresh Rate, IPS-Level panel	14" FHD+ (1920x1200), 16:10, 144Hz Refresh Rate, 100% sRGB (Typical), IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 50 Series Laptop GPU	NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (A2RVE) NVIDIA® GeForce RTX™ 3050 Laptop GPU 6GB GDDR6 96-bit (A2RUDX)
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen4 x4	
Keyboard	4-Zone RGB Gaming Keyboard with Copilot Key	Blue Backlit Gaming Keyboard with Copilot Key
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack DTS Audio Processing Hi-Res Audio ready	
USB Ports	1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0 2 x USB 3.2 Gen1 Type-A	1 x USB 3.2 Gen2 Type-C / DisplayPort™ 2 x USB 3.2 Gen1 Type-A
Video Output	1 x HDMI™ 2.1(4K@60Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™ / Power Delivery 3.0	1 x HDMI™ 2.1(4K@60Hz) 1 x USB 3.2 Gen2 Type-C / DisplayPort™
Communication	Gigabit Ethernet / AMD® Wi-Fi 6E, Bluetooth v5.3	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Webcam	HD type (30fps@720p)	HD type (30fps@720p)
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Microsoft Pluton Security Technology / Kensington Lock / Webcam Shutter / Secured-core PCs	Firmware Trusted Platform Module(fTPM) 2.0 / Kensington Lock
Battery	3-Cell, Li-Polymer, 55.2Whr	3-Cell, Li-Polymer, 53.5Whr
Power Adapter	150W	120W
Dimension	359.36 (W) x 245.25 (D) x 23.15 (H) mm	314.7(W) x 233.5 (D) x 18.6~22.3 (H) mm
Weight	1.95 Kg	1.6 Kg
Exclusive Features	1. Translucent and stylish chassis with light weight design. 2. 4-Zone RGB keyboard provides customizable color and effect through MSI Center Mystic Light. (Cyborg A15 AI) 3. MSI AI Engine sense your behavior and automatically adjust the system settings that best fit your need. 4. Wi-Fi 6E with 6GHz band delivers stunning speed while keeps the network smooth and stable. 5. MSI Center helps control and customize your MSI laptop and full suite of useful features. 6. MSI App Player - an Android Emulator providing seamless gaming experience between mobile and PC.	

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# THIN 15

## DEFTLY I PLAY

Model Name	Thin 15 B2RV / B2RU
Processor	Up to Intel® Core™ 7 processor 240H
Operating System	Windows 11 Home / Windows 11 Pro (MSI recommends Windows 11 Pro for business.)
Memory	DDR4-3200, 2 slots, up to 64GB
Display	15.6" FHD (1920x1080), 144Hz Refresh Rate, IPS-Level panel
Graphics	NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 (B2RVE) NVIDIA® GeForce RTX™ 3050 Laptop GPU 6GB GDDR6 96-bit (B2RUDX)
Storage Slots	1 x NVMe M.2 SSD by PCIe Gen4 x4 1 x 2.5" HDD
Keyboard	Blue Backlit Gaming Keyboard with Copilot Key
Audio	2 x 2W Stereo Speakers 1 x Audio combo jack DTS Audio Processing Hi-Res Audio ready
USB Ports	1 x USB 3.2 Gen1 Type-C / DisplayPort™ 3 x USB 3.2 Gen1 Type-A
Video Output	1 x HDMI™ (4K@30Hz) 1 x USB 3.2 Gen1 Type-C / DisplayPort™
Communication	Gigabit Ethernet / Intel® Wi-Fi 6E AX211, Bluetooth v5.3
Webcam	HD type (30fps@720p)
Security	Firmware Trusted Platform Module(fTPM) 2.0 / Kensington Lock
Battery	3-Cell, Li-Polymer, 52.4Whr
Power Adapter	120W
Dimension	359 (W) x 254 (D) x 21.7 (H) mm
Weight	1.86 Kg
Exclusive Features	1. Translucent WASD key offers easier recognition during gameplay. 2. Matrix Display supports up to 2 extra displays. 3. MSI Center helps control and customize your MSI laptop and full suite of useful features. 4. MSI App Player is an Android Emulator providing seamless gaming experience between mobile and PC. 5. DTS Audio Processing brings vivid surrounding sound to your stereo speaker and headphone.

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