

# MSI Raider 18 HX AI A2XWJG NVIDIA GeForce

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<b>Artikel</b>	21285258
<b>Herstellernummer</b>	RAIDER 18 HX AI A2XWJG-074
<b>EAN</b>	4711377302067
<b>MSI</b>	

Two cosmic-level powers converged, lit up like a supernova, thus born the new cosmic-level gaming powerhouse: Raider 18 HX AI. Featuring up to Intel® Core™ Ultra 9 processor 285HX and NVIDIA® GeForce RTX™ 5090 Laptop GPU , with improved efficiency and graphics power, overboost ultra getting higher up to 260W paired with a 18" display, witness and experience this new speculator with glamour and power.

## Zusammenfassung

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Two cosmic-level powers converged, lit up like a supernova, thus born the new cosmic-level gaming powerhouse: Raider 18 HX AI. Featuring up to Intel® Core™ Ultra 9 processor 285HX and NVIDIA® GeForce RTX™ 5090 Laptop GPU , with improved efficiency and graphics power, overboost ultra getting higher up to 260W paired with a 18" display, witness and experience this new speculator with glamour and power.

MSI Raider 18 HX AI A2XWJG NVIDIA GeForce, Intel Core Ultra 9, 45.7 cm (18"), 3840 x 2400 pixels, 64 GB, 4 TB, Windows 11 Pro

MSI Raider 18 HX AI A2XWJG NVIDIA GeForce. Product type: Laptop, Form factor: Clamshell. Processor family: Intel Core Ultra 9, Processor model: 285HX. Display diagonal: 45.7 cm (18"), HD type: UHD+, Display resolution: 3840 x 2400 pixels. Internal memory: 64 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 4 TB, Storage media: SSD. On-board graphics card model: Intel Graphics, Discrete graphics card model: NVIDIA GeForce RTX 5090. Operating system installed: Windows 11 Pro. Product colour: Black

## Merkmale

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### Other features

Warranty period	2 year(s)
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### Packaging content

AC adapter included	Yes
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### Keyboard

Pointing device	Touchpad
Numeric keypad	Yes
Keyboard backlit	Yes
Keyboard backlit colour	RGB
Keyboard backlit zone	24-zone RGB
Copilot key	Yes

### Camera

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## Sustainability

Sustainability certificates	EPEAT Silver
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## Battery

Number of battery cells	4
Battery capacity	99.9 Wh

## Performance

Motherboard chipset	HM870
Repairability index	8

## Software

Operating system installed	Windows 11 Pro
Bundled software	Nvidia App, True Color, Nahimic 3, MSI App Player, MSI Center, Steelseries GG, Discrete Graphics Mode, MSI AI Engine, AI Noise Cancellation Pro, Intel Application Optimization

## Power

AC adapter power	400 W
AC adapter input voltage	90 - 264 V
USB Power Delivery (USB PD)	Yes

## Audio

Audio system	Nahimic 3
Number of built-in speakers	6
Speakers manufacturer	Nahimic
Speaker power	2 W

## Security

Cable lock slot	Yes
Cable lock slot type	Kensington
Fingerprint reader	Yes
Trusted Platform Module (TPM)	Yes
Trusted Platform Module (TPM) version	2.0

## Weight & dimensions

Width	404 mm
Depth	307.5 mm
Height (front)	2.4 cm
Height (rear)	3.21 cm
Weight	3.6 kg

Front camera	Yes
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	Yes
Privacy camera	Yes
Privacy type	Privacy shutter

## Memory

Internal memory	64 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	6400 MHz
Memory layout (slots x size)	2 x 32 GB
Memory slots	2x SO-DIMM
Maximum internal memory	96 GB
Memory channels	Dual-channel

## Network

Top Wi-Fi standard	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection	No
WLAN controller model	Killer Wi-Fi 7 BE1750
Ethernet LAN data rates	2500 Mbit/s
Bluetooth	Yes
Bluetooth version	5.4

## Neural processor unit (NPU)

Neural processor unit (NPU)	Intel AI Boost
Sparsity support	Yes
Windows Studio effects support	Yes
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, WebNN, Windows ML
Total processor performance up to	36 TOPs
NPU performance up to	13 TOPs
GPU performance up to	8 TOPs

## Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-3 A ports quantity	
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity	1
HDMI version	2.1
Thunderbolt 5 ports quantity	2
Intel® Thunderbolt 5	Yes
Combo headphone/mic port	Yes
USB Type-C DisplayPort Alternate Mode	Yes

## Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model	NVIDIA GeForce RTX 5090
Discrete graphics card memory	24 GB
Discrete graphics memory type	GDDR7

## Design

Colour name	Core Black
Product type	Laptop
Product colour	Black
Form factor	Clamshell
Market positioning	Gaming
Original brand name	MSI

On-board graphics card	Yes
On-board GPU manufacturer	Intel
Discrete graphics card	Yes
On-board graphics card family	Intel Graphics
On-board graphics card model	Intel Graphics

## Storage

Total storage capacity	4 TB
Storage media	SSD
Total SSDs capacity	4 TB
Number of SSDs installed	2
SSD capacity	2 TB
SSD interface	PCI Express 4.0, PCI Express 5.0
NVMe	Yes
SSD form factor	M.2
Optical drive type	No
Card reader integrated	Yes
Compatible memory cards	SD

## Display

Display diagonal	45.7 cm (18")
Display resolution	3840 x 2400 pixels
Touchscreen	No
HD type	UHD+
Panel type	Mini LED
Native aspect ratio	16:10
Anti-glare screen	Yes
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	120 Hz
High Dynamic Range (HDR) supported	Yes
High Dynamic Range (HDR) technology	DisplayHDR 1000

## Processor

Processor manufacturer	Intel
Processor family	Intel Core Ultra 9
Processor generation	Intel Core Ultra (Series 2)
Processor model	285HX
Processor cores	24
Processor threads	24
Processor boost frequency	5.5 GHz
Performance cores	8
Efficient cores	16
Performance-core Max Turbo Frequency	5.5 GHz
Efficient-core Max Turbo Frequency	4.6 GHz
Performance-core base frequency	2.8 GHz
Efficient-core base frequency	2.1 GHz
Processor cache	36 MB
Processor base power	55 W
Maximum turbo power	160 W