msi

MSI Titan 18 HX AI A2XW-005UK Intel Core Ultra 9 285HX Laptop 45.7 cm (18") UHD+ 96 GB DDR5-SDRAM 4 TB SSD NVIDIA GeForce RTX 5090 Wi-Fi 7 (802.11be) Windows 11 Pro Black

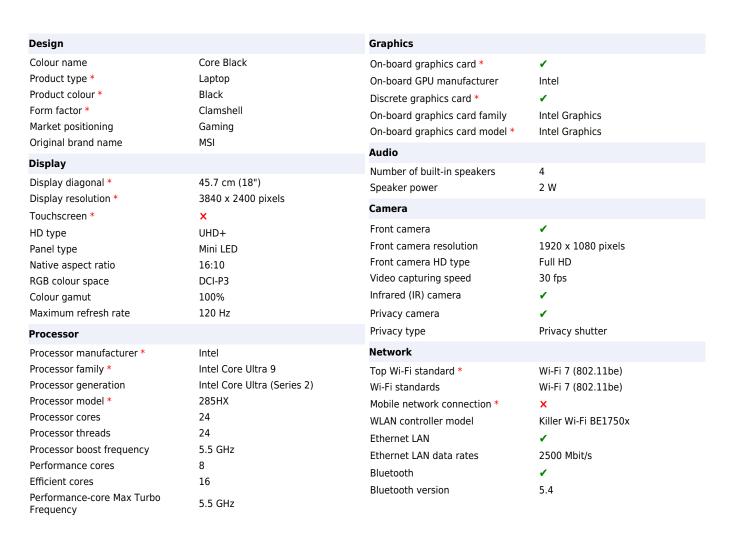**Brand :** MSI

Product family: Titan

Product code: TITAN 18 HX AI A2XW-005UK

Product name : Titan 18 HX AI A2XW-005UK

Intel Core Ultra 9 285HX (36MB Cache), 96GB DDR5-SDRAM, 4000GB SSD, 45.7 cm (18") UHD+ 3840 x 2400 Mini LED, Intel Graphics, NVIDIA GeForce RTX 5090 (24GB GDDR7), LAN, WLAN, Webcam, Windows 11 Pro

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Standing proudly as a leader in gaming innovation, the Titan 18 HX AI has reached new heights, pushing the limits of performance with its top-tier, all-encompassing features. Its advanced cooling system delivers unmatched power, ensuring smooth performance even during the most demanding tasks. Encased in a strong yet lightweight magnesium-aluminum alloy chassis, this flagship device blends durability with portability, making it the top choice for gamers and creators aiming for excellence.

Design

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

Display

Display diagonal *	45.7 cm (18")
Display resolution *	3840 x 2400 pixels
Touchscreen *	✘
HD type	UHD+
Panel type	Mini LED
Native aspect ratio	16:10
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	120 Hz

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

Graphics

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

Audio

Number of built-in speakers	4
Speaker power	2 W

Camera

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

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✘
WLAN controller model	Killer Wi-Fi BE1750x
Ethernet LAN	✔
Ethernet LAN data rates	2500 Mbit/s
Bluetooth	✔
Bluetooth version	5.4

Processor

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

Neural processor unit (NPU)

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

Memory

Internal memory *	96 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	6400 MHz
Memory layout (slots x size)	2 x 48 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	96 GB

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
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	SD

Graphics

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

Ports & interfaces

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

Performance

Motherboard chipset	Intel HM870

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Copilot key	✔

Software

Operating system installed *	Windows 11 Pro

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	99.99 Wh

Power

AC adapter power	400 W
USB Power Delivery (USB PD)	✔

Security

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

Sustainability

Sustainability certificates	EPEAT Silver

Weight & dimensions

Width	404 mm
Depth	307 mm
Height	32 mm
Weight *	3.6 kg

Packaging data

Package width	483 mm
Package depth	114 mm
Package height	377 mm

Other features

Warranty period	2 year(s)

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