MSI Thin 18 HX A14VHG-083CA Intel® Core™ i9 i9-14900HX Laptop 45.7 cm (18") UHD+ 64 GB DDR5-SDRAM 4 TB SSD NVIDIA GeForce RTX 4080 Wi-Fi 7 (802.11be) Windows 11 Pro Black

Brand : MSI

Product code: TITAN 18 HX A14VHG-083CA

Product name : Thin 18 HX A14VHG-083CA

- Windows 11 Pro
- Intel Core i9-14900HX (36MB Cache)
- 45.7 cm (18") UHD+ 3840 x 2400 Mini LED, NVIDIA GeForce RTX 4080 (12GB GDDR6)
- 64GB (5600MHz) DDR5-SDRAM (2 x 32) & 4000GB SSD

Intel Core i9-14900HX (36MB Cache), 64GB DDR5-SDRAM, 4000GB SSD, 45.7 cm (18") UHD+ 3840 x 2400 Mini LED, Intel UHD Graphics, NVIDIA GeForce RTX 4080 (12GB GDDR6), WLAN, Webcam, Windows 11 Pro

MSI Thin 18 HX A14VHG-083CA. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-14900HX. 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® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4080. Operating system installed: Windows 11 Pro. Product colour: Black

Design	
Colour name	Core Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

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
Anti-glare screen	✓
Display brightness	1000 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	120 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i9
Processor generation	Intel® Core™ i9 (14th gen)
Processor model *	i9-14900HX
Processor cores	24
Processor boost frequency	5.8 GHz
Performance cores	8
Efficient cores	16
Performance-core Max Turbo Frequency	5.8 GHz
Efficient-core Max Turbo Frequency	4.1 GHz
Performance-core base frequency	2.2 GHz
Efficient-core boost frequency	1.6 GHz
Processor cache	36 MB
Processor cache type	Smart Cache

Graphics	
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio	
Number of built-in speakers	2
Speakers manufacturer	Nahimic
Speaker power	2 W
Built-in microphone	✓

Camera	
Front camera	✓
Front camera resolution	1920 x 1080 pixels
Front camera HD type	Full HD
Video capturing speed	30 fps
Infrared (IR) camera	✓

Network	
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Bluetooth	✓
Bluetooth version	5.4

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 4 ports quantity	2
Intel® Thunderbolt 4	✓
Combo headphone/mic port	✓

Performance	
Motherboard chipset	Intel HM770

Processor	
Processor base power	55 W
Maximum turbo power	157 W

Memory	
Internal memory *	64 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory layout (slots x size)	2 x 32 GB
Memory slots	4x SO-DIMM
Maximum internal memory *	128 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	✓
Optical drive type *	✗

Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4080
Discrete graphics card memory	12 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
Discrete graphics card *	✓

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB
Keyboard backlit zone	Per-key RGB

Software	
Operating system installed *	Windows 11 Pro
Bundled software	MSI System Control Manager MSI BurnRecovery MSI Remind Manager MSI Battery Calibration MSI Help Desk Norton Internet Security (trail 60days) Norton Studio (Metro) (permanent free) Nvidia GeForce Experience Microsoft Office 2016 (trial 30 days, 1 year per purchase) True Color 2.0 Nahimic 3 Dragon Center 2.0

Battery	
Number of battery cells	4
Battery capacity *	99.9 Wh

Power	
AC adapter power	400 W

Security	
Cable lock slot	✓
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✓
Trusted Platform Module (TPM) version	2.0

Weight & dimensions	
Width	404 mm
Depth	307.5 mm
Height	32 mm
Weight *	3.6 kg

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