MSI Thin 15 B13VE-3091XPL Intel® Core™ i5 i5-13420H Laptop 39.6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) FreeDOS Grey



Brand : MSI

Product family: Thin

Product code: THIN 15 B13VE-3091XPL

Product name : Thin 15 B13VE-3091XPL

- FreeDOS
- Intel Core i5-13420H (12MB Cache)
- 15.6" Full HD 1920 x 1080 IPS-Level, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 512GB SSD

Intel Core i5-13420H (12MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 15.6" Full HD 1920 x 1080 IPS-Level, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, FreeDOS MSI Thin 15 B13VE-3091XPL. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-13420H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: FreeDOS. Product colour: Grey



Design	
Colour name	Cosmos Gray
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Original brand name	MSI

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
Panel type	IPS-Level
Anti-glare screen	✓
Maximum refresh rate	144 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	13th gen Intel® Core™ i5
Processor model *	i5-13420H
Processor cores	8
Processor threads	12
Processor boost frequency	4.6 GHz
Performance cores	4
Efficient cores	4
Performance-core Max Turbo Frequency	4.6 GHz
Efficient-core Max Turbo Frequency	3.4 GHz
Processor cache	12 MB
Processor cache type	Smart Cache

Audio	
Audio system	DTS Audio Processing
Number of built-in speakers	2
Speaker power	2 W

Camera	
Front camera	✓
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Video capturing speed	30 fps

Network	
Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel
Ethernet LAN	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✓
Bluetooth version	5.3

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.0
Combo headphone/mic port	✓

Processor	
Processor base power	45 W
Maximum turbo power	115 W

Memory	
Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Memory layout (slots x size)	2 x 8 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	64 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 4.0
NVMe	✔
Optical drive type *	✘

Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4050
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Performance	
Motherboard chipset	Intel SoC

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔
Keyboard backlit colour	Blue

Software	
Operating system installed *	FreeDOS

Battery	
Number of battery cells	3
Battery capacity	4600 mAh
Battery capacity *	52.4 Wh

Power	
AC adapter power	120 W
USB Type-C charging port *	✘
USB Power Delivery (USB PD)	✘

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

Weight & dimensions	
Width	359 mm
Depth	254 mm
Height	21.7 mm
Weight *	1.86 kg

Packaging content	
AC adapter included *	✔

Other features	
Warranty period	2 year(s)

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