## MSI Creator Z17 HX Studio Z17HXStudio A13VFT-093CA Intel® Core™ i9 i9-13950HX Laptop 43.2 cm (17") Touchscreen Quad HD+ 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

Product family: Creator **Product code: CREATOR** 

Z17HXSTUDIO A13VFT-093CA

Product name: Z17HXStudio

A13VFT-093CA

**Brand**: MSI

- Windows 11 Pro
- Intel Core i9-13950HX (36MB Cache)
- 43.2 cm (17") Quad HD+ 2560 x 1600 Touch, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 32GB (4800MHz) DDR5-SDRAM & 1000GB SSD

Intel Core i9-13950HX (36MB Cache), 32GB DDR5-SDRAM, 1000GB SSD, 43.2 cm (17") Quad HD+ 2560 x 1600 Touch, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), WLAN, Webcam, Windows 11 Pro

MSI Creator Z17 HX Studio Z17HXStudio A13VFT-093CA. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13950HX. Display diagonal: 43.2 cm (17"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels, Touchscreen. Internal memory: 32 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Pro. Product colour: Grey



Design		Graphics	
Colour name	Lunar Gray	Discrete graphics memory type	GDDR6
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Grey	Discrete graphics card *	✓
Form factor *	Clamshell	On-board graphics card family	Intel® UHD Graphics
Display		On-board graphics card model *	Intel® UHD Graphics
Display diagonal *	43.2 cm (17")	Audio	
Display resolution *	2560 x 1600 pixels	Audio system	NAHIMIC 3
Touchscreen *	✓	Number of built-in speakers	4
HD type	Quad HD+	Speakers manufacturer	Nahimic
Native aspect ratio	16:10	Speaker power	2 W
Display brightness	400 cd/m <sup>2</sup>	Camera	
RGB colour space	DCI-P3		
Colour gamut	100%	Front camera	- "
Maximum refresh rate	120 Hz	Front camera HD type	Full HD
Processor		Video capturing speed Infrared (IR) camera	30 fps ✓
Processor manufacturer *	Intel	illiared (IK) Califera	•
Processor family *	Intel® Core™ i9	Network	
Processor generation	13th gen Intel® Core™ i9	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Processor model *	i9-13950HX	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Processor cores	24	Mobile network connection *	×
Processor boost frequency	5.5 GHz	WLAN controller model	Killer Wi-Fi 6E AX1675
Performance cores	8	Bluetooth	✓
Efficient cores	16	Bluetooth version	5.3
Performance-core Max Turbo Frequency	5.5 GHz	Ports & interfaces	
Efficient-core Max Turbo Frequency	4 GHz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A	1
Processor cache	36 MB	ports quantity	
Processor cache type	Smart Cache	HDMI ports quantity *	1

ProcessorPorts & InterfacesBus typeDMI4HDMI version2.1Configurable TDP-down45 WThunderbolt 4 ports quantity2Processor base power55 WIntel® Thunderbolt 44Maximum turbo power157 WCombo headphone/mic port4Memory32 GBUSB Type-C DisplayPort Alternate Mode1Internal memory y32 GBPerformanceIntel HM770Memory Internal memory byeDDR5-SDRAMMotherboard chipsetIntel HM770Memory forfact\$0-DIMMAmbient light sensor10 Huth 1770Memory Slots2x 90-DIMMKeyboard10 Huth 1770Memory Slots2x \$0-DIMMKeyboard10 Huth 1770Memory Slots2x \$0-DIMMKeyboard10 Huth 1770Maximum internal memony*64 GBPointing device10 Huth 1770Storage1 TBKeyboard backlit2Storage endia*\$5DKeyboard backlit2Storage apacity*1 TBKeyboard backlit conePer-key RGBStorage of \$SDs installed1 TBSoftwareSSD capacity1 TBYercessor special featuresSSD capacity1 TBYercessor special featuresSSD capacity2 CPU configuration (max)2 1Optical drive type**XYercessor special featuresCompatible memory cardsYONIDIAAmbier of battery cells4Discrete GPU manufacturerNVIDIAAmbier of battery cellsAC adgressor bereitDiscrete				
Configurable TDP-down         45 W         Thunderbolt 4 ports quantity         2           Processor base power         55 W         Intel® Thunderbolt 4         ✓           Maximum turbo power         157 W         Combo headphone/mic port         ✓           Memory         USB Type-C DisplayPort Alternate Mode         ✓           Internal memory type         DDRS-SDRAM         Performance         Intel HM770           Memory ford factor         4800 MHz         Motherboard chipset         Intel HM770           Memory fractor         50-DIMM         Ambient light sensor         ✓           Memory fractor         46 GB         Young face           Storage         Young face         Young face           Storage         Young face         Young face           Storage engacity         15B         Keyboard backlit         ✓           Storage media*         5D         Keyboard backlit zone         Per-key RGB           Storage media*         5D         Keyboard backlit zone         Per-key RGB           SSD capacity         1 TB         Keyboard backlit zone         Per-key RGB           SSD capacity         1 TB         Keyboard backlit zone         Windows 11 Pro           SSD capacity         1 TB         Keyboard backlit zone<	Processor		Ports & interfaces	
Processor base power         55 W         Intel® Thunderbolt 4         ✓           Maximum turbo power         157 W         Combo headphone/mic port         ✓           Memory         USB Type-C DisplayPort Alternate Mode         ✓           Internal memory type         DDR5-SDRAM         Performance           Internal memory type         4800 MHz         Motherboard chipset         Intel HM770           Memory form factor         50-DIMM         Ambient light sensor         ✓           Memory stos         25 SO-DIMM         Keyboard         ✓           Maximum internal memory*         64 GB         Keyboard         ✓           Storage         Vounder keypad*         ✓         ✓           Storage media*         55 SD         Keyboard backlit         ✓         ✓           Total storage capacity*         1 TB         Keyboard backlit zone         RGB           Storage media*         55 SD         Keyboard backlit zone         RGB           Number of SSDs installed         1         TB         Software           SSD capacity         1 TB         Software         Windows 11 Pro           NVMe         Y         Processor special features           Corplated Fried are integrated         Y         Processor specia	•			
Maximum turbo power       157 W       Combo headphone/mic port       ✓         Memory       USB Type-C DisplayPort Alternate Mode       ✓         Internal memory **       32 GB       Mode Mode         Internal memory type       DDR5-SDRAM       Performance         Memory clock speed       4800 MHz       Motherboard chipset       Intel HM770         Memory slots       20-DIMM       Ambient light sensor       *         Memory slots       25-D-DIMM       Keyboard         Maximum internal memory **       64 GB       Pointing device       Touchpad         Storage       17B       Keyboard backlit       *         Storage media **       17B       Keyboard backlit colour       RGB         Storage media **       17B       Keyboard backlit colour       RGB         Vumber of SSDs installed       1 TB       Keyboard backlit colour       RGB         SSD capacity       1 TB       Keyboard backlit colour       RGB         SSD interface       PCI Express 4.0       Operating system installed **       Windows 11 Pro         SSD capacity       2 TB       Respective system installed **       Windows 11 Pro         Card reader integrated       Y       Poses         Card reader integrated       Y	•		Thunderbolt 4 ports quantity	2
Memory   USB Type-C DisplayPort Alternate Mode	·		Intel® Thunderbolt 4	✓
Internal memory* 32 GB Internal memory type Interna	Maximum turbo power	157 W	Combo headphone/mic port	✓
Internal memory type DDRS-SDRAM Performance  Memory tock speed 4800 MHz Motherboard chipset Intel HM770  Memory form factor SO-DIMM Ambient light sensor Verboard Memory slots 2x SO-DIMM Ambient light sensor Verboard Maximum internal memory* Memory slots 2x SO-DIMM Ambient light sensor Verboard Maximum internal memory* Memory slots Maximum internal memory* Memory slots Memory slot	Memory			<b>✓</b>
Memory clock speed 4800 MHz Ambient light sensor 7  Memory form factor 50-DIMM Ambient light sensor 7  Memory slots 2x 50-DIMM Ambient light sensor 7  Momeric keypad 8  Keyboard backlit colour 7  Keyboard backlit colour 7  Meg 68  Keyboard backlit zone 8  Meg 8  Meg 8  Meg 9  Mere 8  Mestery 8  Minder of SSDs installed 7  Minder of Software 1  Minder of Software 1  Minder of Software 1  Minder of Software 1  Minder of Battery cells 8  Metery 1  Memory cards 1  Memory cards 1  Memory cards 1  Minder of battery cells 8  Metery 1  Memory capacity 9  Memory cards 1  Minder of battery cells 8  Metery 2  Memory capacity 9  Memory cards 1  Minder of battery cells 8  Metery 2  Memory capacity 9  Memory cards 1  Minder of battery cells 8  Metery 2  Memory capacity 9  Memory cards 1  Minder of battery cells 8  Metery 2  Memory capacity 9  Memory capacity 9  Memory cards 1  Memory cards 1  Minder of Software 1  Memory capacity 9  Minder of Software 1  Minder of Software 1  Memory capacity 9  Minder of Software 1  Minder of Software 1  Memory capacity 9  Memory c	Internal memory *	32 GB		
Memory form factor       SO-DIMM       Ambient light sensor       *         Memory slots       2x SO-DIMM       Keyboard         Maximum internal memory**       64 GB       Keyboard       Touchpad         Storage       1TB       Keyboard backlit       *       *         Total storage capacity*       1TB       Keyboard backlit colour       RGB         Storage media*       5SD       Keyboard backlit colour       RGB         Number of SSDs installed       1 TB       Keyboard backlit colour       RGB         SSD capacity       1 TB       Keyboard backlit colour       RGB         SSD interface       PCI Express 4.0       Operating system installed*       Windows 11 Pro         SSD interface       Y       Processor special features         Optical drive type*       X       CPU configuration (max)       1         Card reader integrated       Y       Mumber of battery cells       4         Compatible memory cards       SD       Number of battery cells       90 Wh         Discrete GPU manufacturer       NVIDIA GeForce RTX 4060       Power       280 W         Discrete graphics card model*       NVIDIA GeForce RTX 4060       Ac adapter power       280 W         Discrete graphics card memory       Ferminant power<	Internal memory type	DDR5-SDRAM		
Memory slots       2x SO-DIMM       Keyboard         Maximum internal memory*       64 GB       Pointing device       Touchpad         Storage       1 TB       Keyboard backlit       *         Storage media*       SSD       Keyboard backlit colour       RGB         Total SSDs capacity       1 TB       Keyboard backlit zone       RGB         Number of SSDs installed       1 TB       Software         SSD capacity       1 TB       Software         SSD capacity       1 TB       Windows 11 Pro         NVMe       *       PCI Express 4.0       Operating system installed *       Windows 11 Pro         NVMe       *       PCU configuration (max)       1         Card reader integrated       *       RGB         Compatible memory cards       SD       Battery         Compatible memory cards       NVIDIA       Battery capacity *       90 Wh         Discrete GPU manufacturer       NVIDIA GeForce RTX 4060       Power       280 W         Discrete graphics card model *       NVIDIA GeForce RTX 4060       Power       280 W         Discrete graphics card memory       *       *         Width       382 mm       Power         Width       260 mm       Power	· ·		Motherboard chipset	Intel HM770
Maximum internal memory**64 GBKeyboardStoragePointing deviceTouchpadTotal storage capacity *1 TBNumeric keypad *YStorage media *SSDKeyboard backlit colourRGBTotal SSDs capacity1 TBKeyboard backlit zonePer-key RGBNumber of SSDs installed1 TBSoftwareSSD capacity1 TBSoftwareSSD capacity1 TBSoftwareSSD interfacePCI Express 4.0Operating system installed *Windows 11 ProNVMeYProcessor special featuresOptical drive type *XCPU configuration (max)1Card reader integratedYBatteryCompatible memory cards5DMumber of battery cells4Discrete GPU manufacturerNVIDIAPowerDiscrete graphics card model *NVIDIA GeForce RTX 4060PowerDiscrete graphics card model *NVIDIA GeForce RTX 4060PowerDiscrete graphics card memory8 GBFourityEingerprint readerYFingerprint readerYWeight & dimensionsYWidth382 mmDepthDepth260 mmHeight19 mm	•		Ambient light sensor	✓
StoragePointing deviceTouchpadTotal storage capacity*1 TBKeyboard backlitCycload backlitCycload backlit colourCycload backlit colourRGBTotal SSDs capacity1 TBSoftwareNumber of SSDs installed1 TBSoftwareSSD capacity1 TBSoftwareSSD interfacePCI Express 4.0Operating system installed ** Windows 11 ProNVMeYProcessor special featuresOptical drive type *XCPU configuration (max)1Card reader integratedYSatteryCompatible memory cardsSDMumber of battery cells4GraphicsNVIDIAPowerDiscrete GPU manufacturerNVIDIA GeForce RTX 4060AC adapter power280 WDiscrete graphics card model **NVIDIA GeForce RTX 4060AC adapter power280 WDiscrete graphics card model **PowerDiscrete graphics card model **WidthMeight & dimensionsWeight & dimensionsWidth382 mmWeight & dimensionsWidth260 mmHeight19 mm	•		Keyboard	
Total storage capacity* 1TB Storage media* SSD Keyboard backlit colour RGB Total SSDs capacity 1TB Number of SSDs installed 1SSDs capacity 1TB SSD interface PCI Express 4.0 Operating system installed* Windows 11 Pro  NVMe PCI Express 4.0 Operating system installed* Windows 11 Pro  NVMe Processor special features Optical drive type* X Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1 Card reader integrated PCI Express 4.0 CPU configuration (max) 1	-	64 GB	Pointing device	Touchpad
Total storage capacity* Storage media* SSD Keyboard backlit Keyboard backlit colour Keyboard backlit colour RGB ROB ROB ROB ROB ROB ROB ROB ROB ROB RO	Storage		Numeric keypad *	<b>✓</b>
Storage media * SSD Keyboard backlit colour Keyboard backlit colour Keyboard backlit colour Keyboard backlit colour Keyboard backlit zone Per-key RGB Number of SSDs installed 1 SSD capacity 1 TB SOftware  SSD capacity 1 TB SOftware  SSD interface PCI Express 4.0 Operating system installed * Windows 11 Pro  NVMe				<b>✓</b>
Number of SSDs installed 1 SSD capacity 1TB SSD capacity 1TB SSD capacity 1TB SSD interface PCI Express 4.0 Operating system installed* Windows 11 Pro NVMe			•	RGB
SSD capacity 1TB Operating system installed * Windows 11 Pro  NVMe	• •		-	Per-key RGB
SSD interface PCI Express 4.0 Operating system installed * Windows 11 Pro  NVMe			Software	
NVMe				Windows 11 Pro
Optical drive type * X PU configuration (max) 1 Card reader integrated				
Card reader integrated Compatible memory cards  SD  Number of battery cells Battery capacity * 90 Wh  Discrete GPU manufacturer Discrete graphics card model * NVIDIA GeForce RTX 4060 Discrete graphics card memory  8 GB  Recurity Fingerprint reader  Weight & dimensions  Width Depth Depth Height Height  Number of battery cells 4  Ac adapter power Ac adapter power Ac dimensions  Weight & dimensions  Width Depth Height Height  Number of battery cells 4  Recurity  Fingerprint reader  Weight & dimensions  Number of battery cells 4  Recurity  Ac adapter power Ac adapt	Optical drive type *	×		1
Compatible memory cards  Graphics  Discrete GPU manufacturer Discrete graphics card model * Discrete graphics card memory  B GB  NVIDIA  NVIDIA GeForce RTX 4060  B GB  Security  Fingerprint reader  Weight & dimensions  Width Depth Depth Height  19 mm	Card reader integrated	<b>✓</b>	-	-
Graphics       Battery capacity *       90 Wh         Discrete GPU manufacturer       NVIDIA       Power         Discrete graphics card model *       NVIDIA GeForce RTX 4060       AC adapter power       280 W         Security         Fingerprint reader       ✓         Weight & dimensions         Width       382 mm         Depth       260 mm         Height       19 mm	Compatible memory cards	SD		
Discrete GPU manufacturer Discrete graphics card model * Discrete graphics card memory  B GB  NVIDIA GeForce RTX 4060  AC adapter power  Security  Fingerprint reader  Weight & dimensions  Width Depth Depth Height  19 mm	Granhics		· ·	
Discrete graphics card model * Discrete graphics card memory  8 GB  AC adapter power  Security  Fingerprint reader  Weight & dimensions  Width Depth Depth Height 19 mm		NIVIDIA	, , ,	90 Wh
Discrete graphics card memory  8 GB  AC adapter power  Security  Fingerprint reader  Weight & dimensions  Width Depth Depth Height 19 mm		NVIDIA GeForce RTX 4060	Power	
Security Fingerprint reader  Weight & dimensions  Width 382 mm Depth 260 mm Height 19 mm			AC adapter power	280 W
Weight & dimensions  Width 382 mm  Depth 260 mm  Height 19 mm			Security	
Width 382 mm Depth 260 mm Height 19 mm			Fingerprint reader	✓
Depth 260 mm Height 19 mm			Weight & dimensions	
Height 19 mm			Width	382 mm
· · · · · · · · · · · · · · · · · · ·			Depth	260 mm
Weight * 2.49 kg			Height	19 mm
			Weight *	2.49 kg

## **Catalog Object Cloud**



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