*msi*

# MSI Creator Z16 HX Studio A13VGTA-008UK Intel® Core™ i9 i9-13980HX Laptop 40.6 cm (16") Touchscreen Quad HD+ 64 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Pro Grey

**Brand :** MSI

**Product family:** Creator

**Product code:** CREATOR Z16 HX STUDIO A13VGTA-008UK

**Product name :** Creator Z16 Hx Studio A13VGTA-008UK

- Windows 11 Pro
- Intel Core i9-13980HX (36MB Cache)
- 40.6 cm (16") Quad HD+ 2560 x 1600 Touch, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 64GB (5600MHz) DDR5-SDRAM (2 x 32) & 1000GB SSD

Intel Core i9-13980HX (36MB Cache), 64GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") Quad HD+ 2560 x 1600 Touch, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), WLAN, Webcam, Windows 11 Pro

MSI Creator Z16 HX Studio A13VGTA-008UK. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX. Display diagonal: 40.6 cm (16"), HD type: Quad HD+, Display resolution: 2560 x 1600 pixels, Touchscreen. Internal memory: 64 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

| | |
|---|---|
| Colour name | Lunar Gray |
| Product type * | Laptop |
| Product colour * | Grey |
| Form factor * | Clamshell |

## Display

| | |
|---|---|
| Display diagonal * | 40.6 cm (16") |
| Display resolution * | 2560 x 1600 pixels |
| Touchscreen * | ✓ |
| HD type | Quad HD+ |
| Native aspect ratio | 16:10 |
| RGB colour space | DCI-P3 |
| Colour gamut | 100% |
| Maximum refresh rate | 165 Hz |

## Processor

| | |
|---|---|
| Processor manufacturer * | Intel |
| Processor family * | Intel® Core™ i9 |
| Processor generation | 13th gen Intel® Core™ i9 |
| Processor model * | i9-13980HX |
| Processor cores | 24 |
| Processor boost frequency | 5.6 GHz |
| Performance cores | 8 |
| Efficient cores | 16 |
| Performance-core Max Turbo Frequency | 5.6 GHz |
| Efficient-core Max Turbo Frequency | 4 GHz |
| Processor cache | 36 MB |
| Processor cache type | Smart Cache |
| Processor base power | 55 W |

## Graphics

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

## Audio

| | |
|---|---|
| Number of built-in speakers | 2 |
| Speaker power | 4 W |

## Camera

| | |
|---|---|
| Front camera | ✓ |
| Front camera HD type | HD |
| Video capturing speed | 30 fps |
| Infrared (IR) camera | ✓ |

## 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 |
| Bluetooth | ✓ |
| Bluetooth version | 5.3 |

## Ports & interfaces

| | |
|---|---|
| USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity | 1 |
| HDMI ports quantity * | 1 |
| HDMI version | 2.1 |
| Thunderbolt 4 ports quantity | 1 |
| Intel® Thunderbolt 4 | ✓ |
| Combo headphone/mic port | ✓ |
| USB Type-C DisplayPort Alternate Mode | ✓ |

## Processor

| | |
|---|---|
| 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 |
| Maximum internal memory * | 64 GB |

## Storage

| | |
|---|---|
| Total storage capacity * | 1 TB |
| Storage media * | SSD |
| Total SSDs capacity | 1 TB |
| Number of SSDs installed | 1 |
| SSD capacity | 1 TB |
| SSD interface | PCI Express 4.0 |
| NVMe | ✓ |
| Optical drive type * | ✘ |
| Card reader integrated | ✓ |
| Compatible memory cards | SD |

## Graphics

| | |
|---|---|
| Discrete GPU manufacturer | NVIDIA |
| Discrete graphics card model * | NVIDIA GeForce RTX 4070 |
| Discrete graphics card memory | 8 GB |
| Discrete graphics memory type | GDDR6 |
| On-board graphics card * | ✓ |
| On-board GPU manufacturer | Intel |
| Discrete graphics card * | ✓ |

## Performance

| | |
|---|---|
| Motherboard chipset | Intel HM770 |
| Ambient light sensor | ✓ |

## 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 |

## Battery

| | |
|---|---|
| Battery technology | Lithium Polymer (LiPo) |
| Number of battery cells | 4 |
| Battery capacity * | 90 Wh |

## Power

| | |
|---|---|
| AC adapter power | 280 W |

## Weight & dimensions

| | |
|---|---|
| Width | 359 mm |
| Depth | 256 mm |
| Height | 18.4 mm |
| Weight * | 2.39 kg |

## Packaging data

| | |
|---|---|
| Package width | 512 mm |
| Package depth | 83 mm |
| Package height | 358 mm |

## Logistics data

| | |
|---|---|
| Commodity Classification Automated Tracking System (CCATS) | 8471300000 |

**4711377133555**