



L A P T O P S

## Cyborg 15 A13V

CYBORG 15 A13VEK-2298GR

## Specification

<b>CPU</b>	13th Gen Intel® Core™ i7-13620H processor i7-13620H processor 10 cores (6 P-cores + 4 E-cores), 16 threads, 24 MB Intel® Smart Cache, Max Turbo Frequency 4.9 GHz
<b>Operating Systems</b>	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
<b>Display</b>	15.6" FHD(1920x1080), 144Hz Refresh Rate, IPS-Level
<b>Chipset</b>	Integrated SoC
<b>Discrete Graphics</b>	NVIDIA® GeForce RTX™ 4050 Laptop GPU powers advanced AI with 194 AI TOPS 1605MHzx Up to Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
<b>Video Memory</b>	6GB GDDR6
<b>Memory</b>	16GB*1 DDR5
<b>Memory Slot and Max Capacity</b>	DDR5-5200, 2 Slots, Max 64GB
<b>Storage</b>	512GB*1 NVMe SSD PCIe Gen4 "Please consult service center for upgrading SSD."
<b>Storage Slot</b>	1x M.2 SSD slot (NVMe PCIe Gen4)
<b>Keyboard</b>	4-Zone RGB Gaming Keyboard 99KEYS
<b>WebCam</b>	HD type (30fps@720p)
<b>Audio</b>	2x 2W Audio Speaker Hi-Res Audio Ready, Nahimic 3 Audio Enhancer
<b>Audio Port</b>	1x Mic-in/Headphone-out Combo Jack
<b>USB Ports</b>	2x Type-A USB3.2 Gen1 1x Type-C (USB3.2 Gen1 / DisplayPort™)
<b>Video Ports</b>	1x HDMI™ 2.1 (4K @ 60Hz)
<b>LAN</b>	Gigabit Ethernet
<b>Wi-Fi/ Bluetooth</b>	Intel® Wi-Fi 6E AX211, Bluetooth v5.3
<b>Security</b>	Kensington Lock
<b>cmsfront_lang_auto_spec.sku_column_group_nb_Adapter</b>	120W Adaptor
<b>Battery</b>	3-Cell 53.5 Whrs 4700 Mah
<b>Dimension (WxDxH)</b>	359.36 x 250.34 x 21.95-22.9 mm 14.15" x 9.86" x 0.86-0.9"
<b>Weight (W/ Battery)</b>	1.98 kg 4.37 lbs
<b>Chassis Color</b>	Translucent Black
<b>Warranty</b>	2 years limited warranty
<b>Xbox Game Pass</b>	2 Month Xbox Game Pass Essential included. *Spec and bundle offer may vary by model and by country. Please refer to the final specification of the product purchased for Xbox Game Pass pre-installed details.