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LAPTOPS

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(/Laptop/Cyborg-15-A12VX/Gallery)

○ Differences are marked in red

Cyborg 15 A12VF

Cyborg 15 A12VE

	Cyborg 15 A12VF	Cyborg 15 A12VE
CPU	Up to 12th Gen Intel® Core™ i7 Processor	Up to 12th Gen Intel® Core™ i7 Processor
OS	Windows 11 Home (MSI recommends Windows 11 Pro for business.)	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
DISPLAY	15.6" FHD (1920x1080), 144Hz, IPS-Level	15.6" FHD (1920x1080), 144Hz, IPS-Level
GRAPHICS	NVIDIA® GeForce RTX™ 4060 Laptop GPU 8GB GDDR6 Up to 1470MHz Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario	NVIDIA® GeForce RTX™ 4050 Laptop GPU 6GB GDDR6 Up to 1605MHz Boost Clock 45W Maximum Graphics Power with Dynamic Boost. *May vary by scenario
MEMORY	Max 64GB DDR5-4800 2 Slots	Max 64GB DDR5-4800 2 Slots
STORAGE CAPABILITY	1x M.2 SSD slot (NVMe PCIe Gen4)	1x M.2 SSD slot (NVMe PCIe Gen4)
WEBCAM	HD type (30fps@720p)	HD type (30fps@720p)
KEYBOARD	Single Backlit Keyboard (Blue)	Single Backlit Keyboard (Blue)
COMMUNICATION	Gb LAN 802.11 ax Wi-Fi 6 + Bluetooth v5.2	Gb LAN 802.11 ax Wi-Fi 6 + Bluetooth v5.2
AUDIO	2x 2W Speaker	2x 2W Speaker
AUDIO JACK	1x Mic-in/Headphone-out Combo Jack	1x Mic-in/Headphone-out Combo Jack
I/O PORTS	1x Type-C (USB3.2 Gen1 / DP) 2x Type-A USB3.2 Gen1 1x HDMI™ 2.1 (4K @ 60Hz) 1x RJ45	1x Type-C (USB3.2 Gen1 / DP) 2x Type-A USB3.2 Gen1 1x HDMI™ 2.1 (4K @ 60Hz) 1x RJ45
SECURITY	Kensington Lock	Kensington Lock
BATTERY	3-Cell 53.5 Battery (Whr)	3-Cell 53.5 Battery (Whr)
AC ADAPTER	120W adapter	120W adapter
WEIGHT (W/ BATTERY)	1.98 kg	1.98 kg
DIMENSION (WDXH)	359.36 x 250.34 x 21.95~22.9 mm	359.36 x 250.34 x 21.95~22.9 mm



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