HP

HP Victus Gaming 15-fa0021na Laptop 39.6 cm (15.6") Full HD Intel® Core™ i5 i5-12450H 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : HP   **Product family:** Victus Gaming   **Product code:** 84T81EA

Product name : 15-fa0021na

- Intel® Core™ i5-12450H (up to 4.4 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 8 cores, 12 threads)
- Windows 11 Home
- 39.6 cm (15.6") diagonal FHD display
- NVIDIA® GeForce RTX™ 3050 Laptop GPU (4 GB GDDR6 dedicated)
- 16 GB memory; 512 GB SSD storage

Victus Gaming Laptop 15-fa0021na, Windows 11 Home, 15.6", Intel® Core™ i5, 16GB RAM, 512GB SSD, NVIDIA® GeForce RTX™ 3050, FHD, Mica silver

HP Victus Gaming 15-fa0021na Laptop 39.6 cm (15.6") Full HD Intel® Core™ i5 i5-12450H 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6E (802.11ax) Windows 11 Home Black:

Desktop power in one portable package.
The HP Victus Laptop is made for peak PC gaming. This sleek machine touts a 12th Gen Intel® Core™ processor[1] and a modern graphics card. This laptop's design is just as impressive as its hardware with plenty of color options[2], updated thermals, a full all-in-one gaming keyboard, and an HD camera with Temporal Noise Reduction.

Design		Network	
Colour name	Mica silver, black chrome logo	Ethernet LAN	✔
Product type *	Laptop	Ethernet LAN data rates	10,100,1000 Mbit/s
Product colour *	Black	Bluetooth	✔
Form factor *	Clamshell	Bluetooth version	5.3
Market positioning	Gaming	MIMO	✔
Introduction year	2023	**Ports & interfaces**	
Product design	Paint finish	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Original brand name	HP		
Display		USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Display diagonal *	39.6 cm (15.6")	Ethernet LAN (RJ-45) ports	1
Display resolution *	1920 x 1080 pixels	HDMI ports quantity *	1
Touchscreen *	✘	HDMI version	2.1
HD type	Full HD	Combo headphone/mic port	✔
Panel type	IPS	USB Type-C DisplayPort Alternate Mode	✔
Native aspect ratio	16:9		
Anti-glare screen	✔	USB Sleep-and-Charge	✔
Display bezel technology	Micro-Edge	USB Sleep-and-Charge ports	2
Display brightness	250 cd/m²	**Keyboard**	
Display diagonal (metric)	39.6 cm	Pointing device	Touchpad
RGB colour space	NTSC	Numeric keypad *	✔
Colour gamut	45%	Keyboard backlit	✔
Display response rise/fall	9 ms	Full-size keyboard	✔
Maximum refresh rate	144 Hz		
Processor		**Software**	
Processor manufacturer *	Intel		ExpressVPN (30 day free trial); LastPass Premium (30 day free trial), 1 month trial for new Microsoft 365 customers, McAfee Online Protection 30-day trial; Xbox Game Pass 1-month free trial
Processor generation	12th gen Intel® Core™ i5	Pre-installed software	
Processor family *	Intel® Core™ i5		
Processor model *	i5-12450H		
Processor boost frequency	4.4 GHz		
Processor threads	12	Trial software	25 GB Dropbox storage for 12 months
Processor cores	8		

Processor

Processor cache	12 MB
Processor cache type	L3
Motherboard chipset	Intel SoC
Configurable TDP-down	35 W

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 8 GB
Memory slots (available)	2
Number of free internal memory expansion slots	8

Storage

Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD memory type	TLC
SSD interface	PCI Express 4.0
NVMe	✓
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	SD

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3050
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card model *	Intel® UHD Graphics
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR6

Audio

Audio system	Bang & Olufsen
Built-in speaker(s)	✓
Number of built-in speakers	2
Built-in microphone	✓
Number of microphones	2

Camera

Front camera	✓
Front camera HD type	HD

Network

Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Wi-Fi standards	Wi-Fi 6E (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 6E AX211
WLAN controller manufacturer	Intel

Software

Operating system installed *	Windows 11 Home

Processor special features

Intel Flex Memory Access	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Execute Disable Bit	✓
CPU configuration (max)	1
Embedded options available	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel Virtualization Technology (VT-x)	✓

Brand-specific features

HP Audio Boost	✓
HP speaker type	HP Dual Speakers
HP Smart AC Adapter	✓
HP Imagepad	✓
HP front camera	HP Wide Vision HD
HP Security tools	Trusted Platform Module (Firmware TPM) support
HP Software provided	HP Support Assistant; HP Connection Optimizer; HP QuickDrop; MyHP; OMEN Gaming Hub
HP segment	Home
HP GTIN (EAN/UPC)	197497551150

Battery

Battery technology	Lithium Polymer (LiPo)
Number of battery cells	4
Battery capacity *	70 Wh
Battery life (max)	8.25 h
Continuous video playback time	10.5 h
Fast charging	✓
Fast charging time (50%)	30 min
Battery weight	280 g

Power

AC adapter power	200 W
AC adapter frequency	50/60 Hz
AC adapter input voltage	100 - 240 V

Security

Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, Power on, User

Sustainability

Sustainability compliance	✓
Sustainability certificates	ENERGY STAR, EPEAT Silver
Sustainable technologies and materials	Ocean-bound plastic in speaker enclosure(s) and bezel; Keyboard keycaps and scissors contain post-consumer recycled plastic

Weight & dimensions

Width	357.9 mm
Depth	255 mm
Height	23.5 mm
Weight *	2.29 kg

Packaging data

Package width	69 mm
Package depth	520 mm
Package height	305 mm

Packaging data	
Package weight	3.35 kg
Logistics data	
Harmonized System (HS) code	8471300000

0197497551150

197497551150