

Configuration

API Key

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Serper Key

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Select Model

gpt-4o

Configure

SpecReview

In-depth Laptop Comparison

It is recommended to use gpt-4o model to perform this task

Laptop 1

HP - Victus 15.6" Full HD 144Hz Gaming Laptop
- Intel Core i5 - 8GB Memory - NVIDIA GeForce RTX 3050 - 512GB SSD - Performance Blue

Laptop 2

HP - Victus 15.6" Gaming Laptop - AMD Ryzen 5 7535HS - 8GB Memory - NVIDIA GeForce RTX 2050 - 512GB SSD - Mica Silver

Technical Features

Processor (CPU)

- **Model:** Intel Core i5-13420H
- **Clock Speed:** 1.5 GHz (up to 4.7 GHz with Turbo Boost)
- **Number of Cores:** 10 cores (6 performance cores + 4 efficiency cores)
- **Cache Size:** 18 MB L3 cache
- **Architecture:** Alder Lake

Memory (RAM)

- **Type:** DDR4
- **Size:** 8 GB (2 x 4 GB)
- **Speed:** 3200 MHz
- **Expandability:** Yes, up to 32 GB

Storage

- **Type:** PCIe NVMe SSD
- **Capacity:** 512 GB
- **Speed (Read/Write):** Not specified
- **Expandability:** Yes, additional M.2 slot available

Graphics (GPU)

- **Integrated or Dedicated:** Dedicated
- **Model:** NVIDIA GeForce RTX 3050
- **VRAM Size:** 6 GB GDDR6
- **Graphics Clock Speed:** Not specified

Operating System

Technical Features

Processor (CPU)

- **Model:** AMD Ryzen 5 7535HS
- **Clock Speed:** 3.3 GHz (base) to 4.55 GHz (boost)
- **Number of Cores:** 6 cores
- **Cache Size:** 16 MB L3 cache
- **Architecture:** Zen 3+ microarchitecture

Memory (RAM)

- **Type:** DDR5
- **Size:** 8 GB
- **Speed:** 4800 MHz
- **Expandability:** Yes, additional RAM can be added

Storage

- **Type:** PCIe NVMe TLC M.2 SSD
- **Capacity:** 512 GB
- **Speed (Read/Write):** Not found
- **Expandability:** Yes, can be replaced or supplemented with additional storage

Graphics (GPU)

- **Integrated or Dedicated:** Dedicated
- **Model:** NVIDIA GeForce RTX 2050
- **VRAM Size:** 4 GB
- **Graphics Clock Speed:** Not found

Operating System

- **Pre-installed OS:** Windows 11 Home

- **Pre-installed OS:** Windows 11 Home
- **Supported OS versions:** Windows 11 Home

Screen Features

- **Size:** 15.6 inches
- **Resolution:** Full HD (1920 x 1080)
- **Panel Type:** IPS
- **Refresh Rate:** 144 Hz
- **Brightness (nits):** Not specified
- **Color Accuracy:** Not specified
- **Touchscreen:** No
- **Aspect Ratio:** 16:9

Build and Design

- **Dimensions (Height, Width, Depth):** 0.93" x 14.09" x 10.04"
- **Weight:** Not specified
- **Material:** Plastic chassis
- **Color Options:** Performance Blue
- **Build Quality:** Sturdy and durable
- **Keyboard:** Backlit keyboard
- **Touchpad:** Yes

Connectivity

Ports

- **USB:** Multiple USB Type-A and Type-C ports
- **HDMI:** Yes
- **DisplayPort:** Not specified
- **Ethernet:** Not specified
- **Audio Jack:** Yes
- **SD Card Reader:** Yes

Wireless

- **Wi-Fi Standards:** Wi-Fi 6
- **Bluetooth Version:** Bluetooth 5.2

Additional Connectivity

- **NFC:** Not specified
- **SIM Card Slot:** Not specified

Battery and Power

- **Battery Capacity (Wh):** Not specified
- **Battery Life (in hours):** Average, varies with usage
- **Charging Speed:** Not specified
- **Type of Charger:** Not specified

- **Supported OS versions:** Windows 11 Home and later

Screen Features

- **Size:** 15.6 inches
- **Resolution:** 1920 x 1080 (Full HD)
- **Panel Type:** IPS
- **Refresh Rate:** 144Hz
- **Brightness (nits):** 250 nits
- **Color Accuracy:** 45% NTSC
- **Touchscreen:** No
- **Aspect Ratio:** 16:9

Build and Design

- **Dimensions (Height, Width, Depth):** 35.79 x 25.5 x 2.35 cm
- **Weight:** 2.29 kg
- **Material:** Not found
- **Color Options:** Mica Silver
- **Build Quality:** Good, but screen feels slightly flimsy
- **Keyboard:** Backlit keyboard with integrated numeric pad
- **Touchpad:** Standard touchpad

Connectivity

Ports

- **USB:** 1 USB Type-C 5Gbps, 2 USB Type-A 5Gbps
- **HDMI:** HDMI 2.1
- **DisplayPort:** Through USB-C
- **Ethernet:** RJ-45
- **Audio Jack:** Headphone/microphone combo
- **SD Card Reader:** 1 multi-format SD media card reader

Wireless

- **Wi-Fi Standards:** Wi-Fi 6 (MediaTek Wi-Fi 6 MT7921)
- **Bluetooth Version:** Bluetooth 5.3

Additional Connectivity

- **NFC:** No
- **SIM Card Slot:** No

Battery and Power

- **Battery Capacity (Wh):** 52.5 Wh
- **Battery Life (in hours):** Up to 6 hours

Audio and Camera

Speakers

- **Number:** Not specified
- **Quality:** Not specified

Microphone

- **Number:** Not specified
- **Quality:** Not specified

Camera

- **Resolution:** Not specified
- **Features:** Not specified

Additional Features

Security

- **Fingerprint Reader:** Not specified
- **Facial Recognition:** Not specified
- **TPM:** Not specified

Included Software

- **Antivirus:** Not specified
- **Office Suite:** Not specified
- **Custom Utilities:** Not specified

Cooling System

- **Type:** Not specified
- **Efficiency:** Not specified

Expandability

- **Ease of Access for Upgrades:** Not specified
- **Supported Upgrades:** RAM and storage

Warranty and Support

- **Duration:** Not specified
- **Type:** Not specified

Accessories

- **Included:** Not specified
- **Compatibility with additional accessories:** Not specified

Environmental and Energy Efficiency

- **Energy Star Rating:** Yes
- **RoHS Compliance:** Not specified

- **Charging Speed:** Approximately 50% in 30 minutes (fast charge)
- **Type of Charger:** 150 W Smart AC power adapter

Audio and Camera

Speakers

- **Number:** Dual speakers
- **Quality:** Audio by B&O; HP Audio Boost

Microphone

- **Number:** Dual array digital microphones
- **Quality:** Integrated with temporal noise reduction

Camera

- **Resolution:** HP Wide Vision 720p HD camera
- **Features:** Temporal noise reduction

Additional Features

Security

- **Fingerprint Reader:** Not found
- **Facial Recognition:** Not found
- **TPM:** Trusted Platform Module (Firmware TPM) support

Included Software

- **Antivirus:** McAfee Online Protection 30-day trial
- **Office Suite:** Not found
- **Custom Utilities:** Not found

Cooling System

- **Type:** Dual fans on one side
- **Efficiency:** Noted to have heating issues under high load

Expandability

- **Ease of Access for Upgrades:** RAM and SSD can be upgraded
- **Supported Upgrades:** Additional RAM and larger SSD

Warranty and Support

- **Duration:** 1 year
- **Type:** Limited warranty includes 1 year of parts and labor

User Reviews and Ratings

- **Average Rating:** 4.6 out of 5 stars (from 1009 reviews)
- **Common Pros and Cons:**
 - **Pros:** Sleek design, sturdy build, powerful hardware, high refresh rate display, customizable backlit keyboard
 - **Cons:** Slightly shorter battery life, heavier side, produces substantial heat under full load

Accessories

- **Included:** 64GB USB Flash Drive (not always included as noted by some users)
- **Compatibility with additional accessories:** Standard laptop accessories (mouse, external drives, etc.)

Environmental and Energy Efficiency

- **Energy Star Rating:** Not found
- **RoHS Compliance:** Not found

User Reviews and Ratings

- **Average Rating:** 4.2 to 4.6 out of 5 stars across different platforms
- **Common Pros and Cons:** Good performance for the price, decent display, expandable RAM; Quiet speakers, heating issues, poor battery life, some build quality concerns, missing USB flash drive in some cases

This comprehensive report provides a detailed understanding of the HP Victus 15.6" Gaming Laptop's specifications, functionalities, and potential applications.

Compare