

# OMEN by HP and Victus by HP PCs - Performance specifications for NVIDIA GPUs

Object name	con_win_omen_c_performance_specs_nvidia_GPUs
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This document provides performance specifications, including Total Graphics Power (TGP) and Boost clock (MHz), for OMEN by HP and Victus by HP PCs with NVIDIA Graphics Processing Units (GPUs).

## Performance specifications chart

Object name	con_win_omen_r_performance_specs_nvidia_GPUs
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See the following chart.

Legal Disclaimer: All performance specifications represent the typical specifications provided by the component manufacturers used by HP; actual performance might vary, either higher or lower. The maximum wattage varies depending on hardware, software, overall system configuration, settings, and workload. For testing, the maximum TGP is run under Furmark when the GPU is stressed. Day-to-day activities, such as web browsing or office tasks, do not trigger intensive GPU loading. Results might vary according to the ambient temperature and stressing tools used. All PCs were tested using Performance Mode through OMEN Gaming Hub, except the Victus by HP 15.6 inch Gaming Laptop PC with NVIDIA® GeForce RTX™ 2050 4G, which was tested using balanced mode.

**Table 1** Performance specifications for NVIDIA GPUs

Computer model	Processor	GPU	TGP	Boost clock (MHz)
OMEN by HP 16.1 inch Gaming Laptop PC 16-wf0xxx	Intel	NVIDIA® GeForce RTX™ 4080 12G	145	1665
OMEN by HP 16.1 inch Gaming Laptop PC 16-wf0xxx	Intel	NVIDIA® GeForce RTX™ 4070 8G	140	1980
OMEN by HP 16.1 inch Gaming Laptop PC 16-wf0xxx	Intel	NVIDIA® GeForce RTX™ 4060 8G	140	2250
OMEN by HP 16.1 inch Gaming Laptop PC 16-wf0xxx	Intel	NVIDIA® GeForce RTX™ 4050 6G	140	2355
OMEN by HP 16.1 inch Gaming Laptop PC 16-wf0xxx	Intel	NVIDIA® GeForce RTX™ 3050 6G	95	1492
OMEN by HP 16.1 inch Gaming Laptop PC 16-wd0xxx	Intel	NVIDIA® GeForce RTX™ 4060 8G	120	2250
OMEN by HP 16.1 inch Gaming Laptop PC 16-wd0xxx	Intel	NVIDIA® GeForce RTX™ 4050 6G	120	2355
OMEN by HP 16.1 inch Gaming Laptop PC 16-wd0xxx	Intel	NVIDIA® GeForce RTX™ 3050 6G	95	1492

**Table 1 Performance specifications for NVIDIA GPUs (continued)**

<b>Computer model</b>	<b>Processor</b>	<b>GPU</b>	<b>TGP</b>	<b>Boost clock (MHz)</b>
OMEN by HP 16.1 inch Gaming Laptop PC 16-xf0xxx	AMD	NVIDIA® GeForce RTX™ 4070 8G	140	1980
OMEN by HP 16.1 inch Gaming Laptop PC 16-xf0xxx	AMD	NVIDIA® GeForce RTX™ 4060 8G	140	2250
OMEN by HP 16.1 inch Gaming Laptop PC 16-xf0xxx	AMD	NVIDIA® GeForce RTX™ 4050 6G	140	2355
OMEN by HP 16.1 inch Gaming Laptop PC 16-xf0xxx	AMD	NVIDIA® GeForce RTX™ 3050 6G	95	1492
OMEN by HP 16.1 inch Gaming Laptop PC 16-xd0xxx	AMD	NVIDIA® GeForce RTX™ 4060 8G	120	2250
OMEN by HP 16.1 inch Gaming Laptop PC 16-xd0xxx	AMD	NVIDIA® GeForce RTX™ 4050 6G	120	2355
OMEN by HP Transcend 16 inch Gaming Laptop PC 16-u0xxx	Intel	NVIDIA® GeForce RTX™ 4070 8G	130	1980
OMEN by HP Transcend 16 inch Gaming Laptop PC 16-u0xxx	Intel	NVIDIA® GeForce RTX™ 4060 8G	130	2250
OMEN by HP Transcend 16 inch Gaming Laptop PC 16-u0xxx	Intel	NVIDIA® GeForce RTX™ 4050 6G	95	2130
OMEN by HP 17 Laptop PC 17-ck2xxx	Intel	NVIDIA® GeForce RTX™ 4090 16G	175	1815
OMEN by HP 17 Laptop PC 17-ck2xxx	Intel	NVIDIA® GeForce RTX™ 4080 12G	175	2010
OMEN by HP 17 Laptop PC 17-cm2xxx	Intel	NVIDIA® GeForce RTX™ 4070 8G	140	2175
OMEN by HP 17 Laptop PC 17-cm2xxx	Intel	NVIDIA® GeForce RTX™ 4060 8G	140	2370
Victus by HP 16.1 inch Gaming Laptop PC 16-r0xxx	Intel	NVIDIA® GeForce RTX™ 4070 8G	120	1980
Victus by HP 16.1 inch Gaming Laptop PC 16-r0xxx	Intel	NVIDIA® GeForce RTX™ 4060 8G	120	2250
Victus by HP 16.1 inch Gaming Laptop PC 16-r0xxx	Intel	NVIDIA® GeForce RTX™ 4050 6G	120	2355
Victus by HP 16.1 inch Gaming Laptop PC 16-r0xxx	Intel	NVIDIA® GeForce RTX™ 3050 6G	95	1492
Victus by HP 16.1 inch Gaming Laptop PC 16-s0xxx	AMD	NVIDIA® GeForce RTX™ 4070 8G	120	1980
Victus by HP 16.1 inch Gaming Laptop PC 16-s0xxx	AMD	NVIDIA® GeForce RTX™ 4060 8G	120	2250
Victus by HP 16.1 inch Gaming Laptop PC 16-s0xxx	AMD	NVIDIA® GeForce RTX™ 4050 6G	120	2355
Victus by HP 16.1 inch Gaming Laptop PC 16-s0xxx	AMD	NVIDIA® GeForce RTX™ 3050 6G	95	1492
Victus by HP 15.6 inch Gaming Laptop PC 15-fa1xxx	Intel	NVIDIA® GeForce RTX™ 4050 6G	75	2130
Victus by HP 15.6 inch Gaming Laptop PC 15-fa1xxx	Intel	NVIDIA® GeForce RTX™ 3050 6GB	75	1492

**Table 1** Performance specifications for NVIDIA GPUs (continued)

<b>Computer model</b>	<b>Processor</b>	<b>GPU</b>	<b>TGP</b>	<b>Boost clock (MHz)</b>
Victus by HP 15.6 inch Gaming Laptop PC 15-fa1xxx	Intel	NVIDIA® GeForce RTX™ 2050 4G	50	1545
Victus by HP 15.6 inch Gaming Laptop PC 15-fa1xxx	Intel	NVIDIA® GeForce RTX™ 4060 8G	75	2010