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Titan GT77 HX 13V

TITAN GT77HX 13VI-231CZ

Specification

CPU	13th Gen Intel® Core™ i9-13980HX processor 24 cores (8 P-cores + 16 E-cores), Max Turbo Frequency 5.6 GHz
Operating Systems	Windows 11 Home (MSI recommends Windows 11 Pro for business.)
Display	17.3" UHD 4K(3840x2160), 144Hz Refresh Rate, Mini LED, IPS-Level, VESA DisplayHDR™ 1000 Certified, 100% DCI-P3(Typical), VESA DisplayHDR™ 1000 Certified
Chipset	Intel® HM770
Discrete Graphics	NVIDIA® GeForce RTX™ 4090 Laptop GPU powers advanced AI with 686 AI TOPS Up to 2040MHz Boost Clock 175W Maximum Graphics Power with Dynamic Boost. *May vary by scenario *Full-Power GPU Design
Video Memory	16GB GDDR6
CPU and GPU Combined Power	Max. 250W CPU-GPU Power with MSI OverBoost Technology. *OverBoost Ultra Technology for i9-13980HX Only. *May vary by scenario
Memory	16GB*2 DDR5 *Vary by CPU and Memory combination
Memory Slot and Max Capacity	DDR5, 4 Slots, Max 128GB
Storage	2TB*1 NVMe SSD PCIe Gen4
Storage Slot	2x M.2 SSD slot (NVMe PCIe Gen4), 1x M.2 SSD slot (NVMe PCIe Gen5) Compatible
Keyboard	Cherry Mechanical Per-Key RGB Gaming Keyboard by SteelSeries
WebCam	IR HD type (30fps@720p)
Audio	2x 2W Audio Speaker 2x 2W Audio Woofer Sound by Dynaudio, Nahimic 3 Audio Enhancer, Hi-Res Audio Ready
Audio Port	1x Mic-in/Headphone-out Combo Jack
USB Ports	3x Type-A USB3.2 Gen2 1x Thunderbolt™ 4 (DisplayPort™ / Power Delivery 3.0) 1x Thunderbolt™ 4 (DisplayPort™)
Video Ports	1x Mini Display Port 1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz)
Card Reader	1x SD Express Card Reader
LAN	Intel® Killer™ Ethernet E3100 2.5 Gbps
Wi-Fi/ Bluetooth	Intel® Killer™ Wi-Fi 6E AX1690, Bluetooth v5.3
Sensor	1x Fingerprint
Security	Fingerprint Security, Firmware Trusted Platform Module(FTPM) 2.0, Webcam Shutter
Adapter	330W Adaptor
Battery	4-Cell 99.9 Whrs
Dimension (WxDxH)	397 x 330 x 23 mm
Weight (W/ Battery)	3.3 kg
Chassis Color	Core Black
Certification	Meta Ready
Warranty	2 years limited warranty
Xbox Game Pass	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.