# Titan GT77 - 12U

TITAN GT77 12UGS-049UK

## Specification

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|---|---|
| **CPU** | 12th Gen Intel® Core™ i7-12800HX processor<br>16 cores (8 P-cores + 8 E-cores), Max Turbo Frequency 4.8 GHz |
| **Operating Systems** | Windows 11 Home (MSI recommends Windows 11 Pro for business.) |
| **Display** | 17.3" UHD 4K(3840x2160), 120Hz Refresh Rate, IPS-Level, 100% DCI-P3(Typical) |
| **Discrete Graphics** | NVIDIA® GeForce RTX™ 3070 Ti Laptop GPU<br>Up to 1535MHz Boost Clock 150W Maximum Graphics Power with Dynamic Boost. Max. 225W CPU-GPU Power with MSI OverBoost Technology. *May vary by scenario |
| **Video Memory** | 8GB GDDR6 |
| **Memory** | 8GB*2, DDR5 |
| **Memory Slot and Max Capacity** | 4 Slots, Max 128GB |
| **Storage** | 1TB*1 NVMe SSD PCIe Gen4 |
| **Storage Slot** | 3x 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<br>2x 2W Audio Woofer<br>Sound by Dynaudio, Hi-Res Audio, Nahimic 3 |
| **Audio Port** | 1x Mic-in/Headphone-out Combo Jack |
| **USB Ports** | 2x Type-C (USB / DP / Thunderbolt™ 4)<br>3x Type-A USB3.2 Gen2<br>2x Type-C (USB3.1 Gen1 / DisplayPort™) |
| **Video Ports** | 1x Mini Display Port<br>1x HDMI™ 2.1 (8K @ 60Hz / 4K @ 120Hz) |
| **Card Reader** | 1x SD Express |
| **LAN** | Intel® Killer™ Ethernet E3100 2.5 Gbps |
| **Wi-Fi/ Bluetooth** | Intel® Killer™ Wi-Fi 6E AX1675, Bluetooth v5.3 |
| **Security** | Fingerprint Security |
| **AC Adapter** | 330W Adaptor |
| **Battery** | 4-Cell<br>99.9 Whrs |
| **Dimension (WXDXH)** | 397 x 330 x 23 mm |
| **Weight (W/ Battery)** | 3.3 kg |
| **Chassis Color** | Core Black |
| **Certification** | VR Ready, Meta Ready |
| **Warranty** | 2 years limited warranty |
| **Xbox Game Pass** | One month of Game Pass Ultimate<br>*Spec may vary by model. Please refer to the final spec of the product purchased for Xbox Game Pass pre-installed details. |