

PERFORMANCE**Processor**

Intel® Core™ i9-12900HX, 16C (8P + 8E) / 24T, P-core 2.3 / 5.0GHz, E-core 1.7 / 3.6GHz, 30MB

Graphics

NVIDIA® GeForce RTX™ 3080 Ti 16GB GDDR6, Boost Clock 1590MHz, TGP 175W

Chipset

Intel HM670

Memory

2x 16GB SO-DIMM DDR5-4800

Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

Max Memory

Up to 32GB DDR5-4800 offering

Storage

2TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

Storage Support

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 2TB

Storage Slot

Two M.2 slots

- Two M.2 2280 PCIe Gen 4x4 slots, support M.2 2280 SSD

Card Reader

None

Optical

None

Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

Speakers

Stereo speakers (super linear speaker), 2W x2, audio by HARMAN certification, optimized with Nahimic Audio, Smart Amplifier (AMP)

Camera

FHD 1080p with E-camera Shutter

Microphone

2x, Array

Battery

Integrated 99.99Wh

Max Battery Life

MobileMark® 2018: 7.1 hr

Local video (1080p) playback@150nits: 9.8 hr

Power Adapter

300W Slim Tip (3-pin)

DESIGN**Display**

16" WQXGA (2560x1600) IPS 500nits Anti-glare, 165Hz, 100% sRGB, Dolby® Vision™, HDR 400, G-Sync, DC dimmer, Low Blue Light, High Gaming Performance

Touchscreen

None

Color Calibration

Factory Color Calibration

Keyboard

RGB Backlit, English (US)

Case Color

Storm Grey (Top), Black (Bottom)

Surface Treatment

Iron Sandblasting (Anodized)

Case Material

Aluminium (Top), Aluminium (Bottom)

Dimensions (WxDxH)

358.1 x 263.5 x 19.4 mm (14.1 x 10.37 x 0.76 inches)

Weight

Around 2.53 kg (5.58 lbs)

SOFTWARE**Operating System**

Windows® 11 Pro 64, English

Bundled Software

Office Trial

CONNECTIVITY**Onboard Ethernet**

2.5 GbE

WLAN + Bluetooth®

Wi-Fi® 6E 11ax, 2x2 + BT5.2

Standard Ports

- 2x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer and DisplayPort™ 1.4)
- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 1 (support data transfer only)
- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 135W and DisplayPort 1.4)
- 1x HDMI®, up to 8K/60Hz
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

SECURITY & PRIVACY**Security Chip**

Firmware TPM 2.0

Fingerprint Reader

Touch Style

Other Security

E-Camera shutter

SERVICE**Base Warranty**

1-year, Depot

Included Upgrade

1Y Legion Ultimate Support IdeaPad® 7 embedded (5WSOY99555)

CERTIFICATIONS**Green Certifications**

- ErP Lot 3
- RoHS compliant

Other Certifications

- TÜV Rheinland® High Gaming Performance
- TÜV Rheinland Low Blue Light (Hardware Solution)

MODEL

TopSeller : Yes

EAN / UPC / JAN : 196379342688

Announce Date : 2022-06-24

End of Support : 2028-06-30



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· Lenovo reserves the right to change specifications or other product information without notice.

· Battery life is an estimated maximum. Actual battery life may vary by hardware or system settings, active applications, battery conditioning, etc.

· California Electronic Waste Recycling Fee In California, per state law, Lenovo charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to: <https://www.calrecycle.ca.gov/Electronics/Consumer>

Premium Care - Advanced Support from Real People. Real Fast.



REAL PERSON

Choose how you want to reach us - through the phone, chat or email - our expert technicians will take care of you.



REAL FAST

Highly trained technicians will provide you real-time solutions, whatever the issue, on your first contact. If needed, our team will schedule an onsite visit for the next business day.



HASSLE FREE

'Getting started' and 'how-to' assistance for hardware and software. Easy solutions that are simple to reach - that's how Premium Care delivers you the ideal support experience.

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty – Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades – Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



Lenovo Powered USB-C Travel Hub

4X90S92381

Travel-Ready Productivity Powerhouse; One-stop travel docking is finally here. Connect and charge new and legacy devices wherever you happen to be. Sleek and compact, the Lenovo Powered USB-C Travel Hub fits unlimited...



ThinkPad UltraSlim USB DVD Burner

4XAOE97775

ThinkPad UltraSlim USB DVD Burner -- is a small form factor external portable DVD and CD recordable drive that can be attached to Notebooks with USB2.0 port or USB3.0 port. With 9.5mm UltraSlim engine, 20% slimmer tha...

For a full list of accessories and services, please visit:
<https://smartfind.Lenovo.com>



PSREF

Product Specifications
Reference