

### PERFORMANCE

#### Processor

AMD Ryzen™ 5 7645HX (6C / 12T, 4.0 / 5.0GHz, 6MB L2 / 32MB L3)

#### Graphics

NVIDIA® GeForce RTX™ 4050 6GB GDDR6, Boost Clock 2370MHz, TGP 140W

#### Chipset

AMD SoC Platform

#### Memory

2x 8GB SO-DIMM DDR5-5200

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Max Memory

Up to 32GB DDR5-5200 offering

#### Storage

1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

#### Storage Support

Up to two drives, 2x M.2 2280 SSD  
• M.2 2280 SSD up to 1TB

#### Storage Slot

Two M.2 2280 PCIe 4.0 x4 slots

#### Card Reader

None

#### Optical

None

#### Audio Chip

High Definition (HD) Audio, Realtek® ALC3306 codec

#### Speakers

Stereo speakers, 2W x2, optimized with Nahimic Audio

#### Camera

FHD 1080p with E-shutter

#### Microphone

2x, Array

#### Battery

Integrated 80Wh

#### Max Battery Life

MobileMark® 2018: 5.3 hr  
Local video (1080p) playback@150nits: 6.8 hr

#### Power Adapter

300W Slim Tip (3-pin)

#### Special Features

Legion Coldfront 5.0 cooling system

### DESIGN

#### Display

16" WQXGA (2560x1600) IPS 300nits Anti-glare, 100% sRGB, 165Hz, Dolby® Vision™, FreeSync™, G-SYNC®, Low Blue Light

#### Touchscreen

None

#### Color Calibration

Factory Color Calibration

#### Keyboard

4-Zone RGB Backlit, English (US)

#### Case Color

Onyx Grey

#### Surface Treatment

Anodizing

#### Case Material

Aluminium (Top), PC-ABS (Bottom)

#### Dimensions (WxDxH)

363.4 x 260.35 x 22.45-26.75 mm (14.31 x 10.25 x 0.88-1.05 inches)

#### Weight

Less than 2.5 kg (5.5 lbs)

### SOFTWARE

#### Operating System

Windows® 11 Home, English

#### Bundled Software

Office Trial

### CONNECTIVITY

#### Ethernet

100/1000M (RJ-45)

#### WLAN + Bluetooth®

Wi-Fi® 6E, 11ax 2x2 + BT5.1

#### Standard Ports

- 3x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB-C® 3.2 Gen 2 (support data transfer and DisplayPort™ 1.4)
- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 140W 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

None

#### Other Security

E-shutter

### SERVICE

#### Base Warranty

1-year, Courier or Carry-in

#### Included Upgrade

None

### ACCESSORIES

#### Bundled Accessories

None

### CERTIFICATIONS

#### Green Certifications

- ErP Lot 3
- RoHS compliant

#### Other Certifications

TÜV Rheinland® Low Blue Light (Hardware Solution)

### MODEL

TopSeller	: No	Announce Date	: 2023-03-29
EAN / UPC / JAN	: 196803348262	End of Support	: 2029-04-15



AMD

· 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.



### PC HEALTH CHECK

Free annual PC Health Check that allows our experts to spot issues before you do so they can resolve them quickly and help you avoid PC problems.

## 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



### ThinkPad Professional 15.6-inch Backpack

4X40Q26383

The Lenovo ThinkPad Professional Backpack is a streamlined yet versatile backpack for the on-the-go professional. This clean, modern design carries, protects, and organizes your mobile office, while premium, lightweight...

## Recommended Services

BEST	3Y Premium Care Plus upgrade from 1Y Courier/Carry-in (5WS1J38674)
BETTER	3Y Premium Care with Onsite upgrade from 1Y Courier/Carry-in (5WS0T73723)
GOOD	3Y Courier/Carry-in upgrade from 1Y Courier/Carry-in (5WS0K75704)

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



**PSREF**  
Product Specifications  
Reference