

Legion S7 16IAH7 82TFO04ESP

PSREF

Product Specifications
Reference

PERFORMANCE

- Processor**
Intel® Core™ i7-12700H, 14C (6P + 8E) / 20T, P-core 2.3 / 4.7GHz, E-core 1.7 / 3.5GHz, 24MB
- Graphics**
NVIDIA® GeForce RTX™ 3060 6GB GDDR6, Boost Clock 1605MHz, TGP 100W
- Chipset**
Intel SoC Platform
- Memory**
8GB Soldered DDR5-4800 + 16GB SO-DIMM DDR5-4800
- Memory Slots**
One memory soldered to systemboard, one DDR5 SO-DIMM slot, dual-channel capable
- Max Memory**
Up to 24GB (8GB soldered + 16GB SO-DIMM) DDR5-4800 offering
- Storage**
1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®
- Storage Support**
Up to two drives, 2x M.2 SSD
• M.2 2280 SSD up to 1TB
- Storage Slot**
Two M.2 2280 PCIe Gen 4x4 slots, support M.2 2280 SSD
- Card Reader**
4-in-1 Card Reader
- Optical**
None
- Audio Chip**
High Definition (HD) Audio, Realtek® ALC3306 codec
- Speakers**
Stereo speakers, 2W x2, audio by HARMAN certification, optimized with Nahimic Audio
- Camera**
FHD 1080p with E-camera Shutter
- Microphone**
2x, Array
- Battery**
Integrated 99.99Wh
- Max Battery Life**
Model with 99.99Wh battery:
MobileMark® 2018: 8.6 hr
Local video (1080p) playback: 11.3 hr
- Power Adapter**
230W Slim Tip (3-pin)

DESIGN

- Display**
16" WUXGA (1920x1200) IPS 300nits Anti-glare, 165Hz, 100% sRGB, Dolby® Vision™, G-SYNC®, DC dimmer, Low Blue Light
- Touchscreen**
None
- Color Calibration**
Factory Color Calibration
- Keyboard**
White Backlit, Spanish
- Case Color**
Onyx Grey
- Surface Treatment**
Iron Sandblasting (Anodized)
- Case Material**
Aluminium (Top), Aluminium (Bottom)
- Dimensions (WxDxH)**
357.7 x 260 x 16.9 mm (14.08 x 10.24 x 0.67 inches)
- Weight**

Models	Weight
Mini LED Model with 99.99Wh battery	Less than 2.36 kg (5.2 lbs)
Non-Mini LED Model with 99.99Wh battery	Less than 2.23 kg (4.9 lbs)

SOFTWARE

- Operating System**
None
- Bundled Software**
None

CONNECTIVITY

- Ethernet**
None
- WLAN + Bluetooth®**
Intel Killer Wi-Fi® 6E AX1675i 11ax, 2x2 + BT5.1

Standard Ports

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)
- 1x USB 3.2 Gen 2
- 1x USB-C® 3.2 Gen 2 (support data transfer, Power Delivery 135W and DisplayPort™ 1.4)
- 1x Thunderbolt™ 4 / USB4® 40Gbps (support data transfer, Power Delivery 135W and DisplayPort 1.4)
- 1x HDMI®, up to 8K/60Hz
- 1x Card reader
- 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**
3-year, Depot
- Included Upgrade**
None

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 **Announce Date** : 2022-05-13
- EAN / UPC / JAN** : 196800676771 **End of Support** : 2028-05-08

· Lenovo reserves the right to change specifications or other product information without notice.
· Product image on this page is a sample, it may not match the real color of this model
· Battery life is an estimated maximum. Actual battery life may vary based on many factors, including screen brightness, active applications, features, power management settings, battery age and conditioning, and other customer preferences

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.

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.

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.

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

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

4XA0E97775

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