## Legion 7 16IRX9 83FD004ACC

# Lenovo PSREF Product Specifications Reference

#### **PERFORMANCE**

#### Processor

Intel® Core™ i9-14900HX, 24C (8P + 16E) / 32T, P-core 2.2 / 5.8GHz. E-core 1.6 / 4.1GHz. 36MB

#### AI PC Category

AI-Powered Gaming PC

#### Graphics

NVIDIA® GeForce RTX™ 4070 8GB GDDR6, Boost Clock 2175MHz. TGP 130W. 321 AI TOPS

#### Chipset

Intel® HM770 Chipset

#### Memory

2x 16GB SO-DIMM DDR5-5600

#### **Memory Slots**

Two DDR5 SO-DIMM slots, dual-channel capable

#### Max Memory[1]

Up to 32GB DDR5-5600 offering

#### Storage

1TB SSD M.2 2280 PCIe® 4.0x4 NVMe®

#### Storage Support[2]

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

#### Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

#### Card Reader

SD Card Reader

#### Optical

None

#### **Audio Chip**

High Definition (HD) Audio, Realtek® ALC3287 codec

#### Speakers

Stereo speakers, 2W x2, audio by HARMAN, optimized with Nahimic Audio

#### Camera

FHD 1080p with E-shutter

#### Microphone

2x, Array

#### **Battery**

Integrated 99.9Wh

#### Power Adapter

230W Slim Tip (3-pin)

#### **Special Features**

Al Chip: LA3

#### **DESIGN**

#### Display

16" WQXGA (2560x1600) IPS 500nits Anti-glare, 100% sRGB, 240Hz, DisplayHDR™ 400, Dolby Vision®, G-SYNC®, Low Blue Light

#### Touchscreen

None

#### Color Calibration

Factory Color Calibration

#### Keyboard

Per-key RGB Backlit, English

#### Touchpac

Buttonless glass surface multi-touch touchpad,  $75 \times 120 \text{ mm}$  (2.95 x 4.72 inches)

#### Case Color

Eclipse Black

#### **Surface Treatment**

Anodizing

#### **Case Material**

Aluminium (Top), Aluminium (Bottom)

#### Pen

Pen Not Supported

#### Dimensions (WxDxH)[3]

357.7 x 262.5 x 17.6-19.8 mm (14.08 x 10.33 x 0.69- 0.78 inches)

#### Weight<sup>[4]</sup>

Starting at 2.24 kg (4.94 lbs)

#### **SOFTWARE**

#### **Operating System**

Windows® 11 Home, English

#### **Bundled Software**

Office Trial

#### CONNECTIVITY

#### Ethernet

No Onboard Ethernet

#### WLAN + Bluetooth®[5]

Wi-Fi<sup>®</sup> 6E, 802.11ax 2x2 + BT5.3

#### **WWAN**

Non-WWAN

#### **Standard Ports**

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 1x USB-C® (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-C\* (USB 10Gbps / USB 3.2 Gen 2), with Lenovo\* PD 140W and DisplayPort™ 1.4
- 1x USB-C<sup>®</sup> (Thunderbolt<sup>™</sup> 4 / USB4<sup>®</sup> 40Gbps), with PD 140W and DisplayPort<sup>™</sup> 1.4
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Card reader
- 1x Power connector

#### **SECURITY & PRIVACY**

#### **Security Chip**

Firmware TPM 2.0 Enabled

#### Fingerprint Reader

Touch Style, Integrated in Power Button

#### Other Security

E-shutter

#### **SERVICE**

#### **Base Warranty**

1-year, Courier or Carry-in

#### Included Upgrade

None

#### **ACCESSORIES**

#### Bundled Accessories[6]

None

#### **CERTIFICATIONS**

#### **Green Certifications**

- ErP Lot 3
- RoHS compliant

#### **Other Certifications**

TÜV Rheinland® Low Blue Light (Hardware Solution)

#### MODEL

 TopSeller
 : No
 Announce Date
 : 2024-01-11

 EAN / UPC / JAN
 : 197530440373
 End of Support
 : 2030-01-27

#### Note:

- [1] The max memory is based on the test results with current Lenovo memory offerings.
- [2] The storage capacity supported is based on the test results with current Lenovo storage offerings.
- [3] The system dimensions may vary depending on configurations.
- [4] The system weight is approximate and based on results in.....
- · Lenovo reserves the right to change specifications without notice.

To see more note information, please link to

https://psref.lenovo.com/Detail/2464?M=83FD004ACC

## 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.



#### 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.



## 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

4X90S9238

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...

### Recommended Services

	BEST	3Y Premium Care Plus upgrade from 1Y Courier/Carry-in (5WS1J38691)
	BETTER	3Y Premium Care with Onsite upgrade from 1Y Courier/Carry-in (5WS0T73708)
	GOOD	3Y Courier/Carry-in upgrade from 1Y Courier/Carry-in (5WS0K76347)

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

