

**OVERVIEW**



1. Headphone / microphone combo jack (3.5mm)	6. Kensington Security Slot
2. SD card reader	7. Power connector
3. HDMI	8. USB4
4. 2x USB 3.2 Gen 1	9. Smart card reader *
5. Ethernet (RJ-45)	

Notes:

- Items with \* are only available on selected models

## PERFORMANCE

### Processor

#### Processor Family

AMD Ryzen™ 5 / 7 PRO 6000 H Series Processor, supports up to 8 cores, up to 4.7GHz

#### Processor\*\*

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Processor Graphics
AMD Ryzen™ 5 PRO 6650H	6	12	3.3GHz	4.5GHz	3MB L2 / 16MB L3	AMD Radeon™ 660M Graphics
AMD Ryzen™ 7 PRO 6850H	8	16	3.2GHz	4.7GHz	4MB L2 / 16MB L3	AMD Radeon™ 680M Graphics

### Operating System

#### Operating System\*\*

- Windows® 11 Pro
- Windows® 11 Home
- Windows® 11 Home Single Language
- Windows® 11 DG Windows® 10 Pro 64
- Red Hat Enterprise Linux 8.6 (certified only, for detailed and latest information, please visit [Red Hat Certified Hardware](#))
- Ubuntu Linux LTS
- No preload operating system

### Graphics

#### Graphics\*\*

Graphics	Type	Memory	TGP	Key Features
NVIDIA® RTX A2000 Laptop GPU	Discrete	4GB GDDR6	35W	Dynamic Boost 2.0, DirectX® 12
NVIDIA® T1200 Laptop GPU	Discrete	4GB GDDR6	35W	DirectX® 12
NVIDIA® T600 Laptop GPU	Discrete	4GB GDDR6	35W	DirectX® 12

### Monitor Support

#### Monitor Support

Supports up to 3 independent displays (native display and 2 external monitors via HDMI® and USB-C®)

- HDMI® supports up to 5120x2880@30Hz
- USB-C® supports up to 5120x2880@60Hz (USB-C® to DP)

### Chipset

#### Chipset

AMD SoC (System on Chip) platform

### Memory

#### Max Memory

Up to 64GB DDR5-4800

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Memory Type

DDR5-4800 non-ECC

### Storage

#### Storage Support<sup>[1]</sup>

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 4TB, 2TB each

#### Storage Slot

# ThinkPad P15v Gen 3 (AMD)

Two M.2 2280 PCIe® 4.0 x4 slots

## Storage Type

Disk Type	Interface	Offering	Security
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4	256GB / 512GB / 1TB	Opal 2.0
M.2 2280 SSD	PCIe® NVMe®, PCIe® 4.0 x4 Performance	512GB / 1TB / 2TB	Opal 2.0

Notes:

[1] The storage capacity supported is based on the test results with current Lenovo® storage offerings.

## Removable Storage

### Card Reader

SD card reader

## Multi-Media

### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

### Speakers

Stereo speakers, 2W x2, Dolby® Audio™

### Microphone

- Dual-microphone array, far-field, Dolby® Voice®
- No microphone

### Camera\*\*

- HD 720p + IR hybrid, with privacy shutter, fixed focus
- HD 720p, with privacy shutter, fixed focus
- No camera

## Battery

### Battery

Integrated Li-Polymer 68Wh battery, supports Rapid Charge (charge up to 80% in 1hr)

## Power Adapter

### Power Adapter<sup>[1]</sup>

- 135W slim tip (3-pin) AC adapter, 100-240V, 50-60Hz
- No power adapter

Notes:

[1] AC adapter offerings depend on the country.

## DESIGN

## Display

### Display\*\*<sup>[1]</sup>

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle (L/R/U/D)	Key Features
15.6"	FHD (1920x1080)	None	IPS	300nits	Anti-glare	16:9	800:1	45% NTSC	85°/85°/-/-	DC dimming
15.6"	FHD (1920x1080)	None	IPS	300nits	Anti-glare	16:9	1200:1	100% sRGB	85°/85°/-/-	-
15.6"	UHD (3840x2160)	None	IPS	600nits	Anti-glare	16:9	1400:1	100% Adobe® RGB	85°/85°/-/-	Dolby® Vision®, DisplayHDR™ 400, optional X-Rite® Factory Color Calibration, DC

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										dimming
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**Color Calibration**

- X-Rite® factory color calibration (UHD display)
- No color calibration

**Touchscreen**

Non-touch

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Notes:

[1] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

## Input Device

**Keyboard**

6-row, spill-resistant, multimedia Fn keys with Unified Communications controls, numeric keypad

**Keyboard Backlight**

LED backlight

**UltraNav™**

3-button TrackPoint® pointing device and Mylar® surface multi-touch touchpad

## Mechanical

**Dimensions (WxDxH)<sup>[1]</sup>**

366.5 x 250 x 22.7 mm (14.43 x 9.84 x 0.89 inches)

**Weight<sup>[2]</sup>**

Starting at 2.26 kg (4.98 lbs)

**Case Color**

Black

**Case Material**

PC-ABS (top), PC-ABS (bottom)

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Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo® lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

## CONNECTIVITY

### Network

**Ethernet**

- Gigabit Ethernet, Realtek® RTL8111HN, 1x RJ-45, supports Wake-on-LAN
- Gigabit Ethernet, Realtek® RTL8111EPV, 1x RJ-45, supports Wake-on-LAN and AMD PRO Manageability

**WLAN + Bluetooth®**

Qualcomm® Wi-Fi® 6E NFA725A, 802.11ax 2x2 Wi-Fi® + Bluetooth® 5.1

**WWAN**

No support

**SIM Card**

No physical SIM card inbox

**NFC**

No support

### Ports<sup>[1]</sup>

**Standard Ports**

- 1x USB 3.2 Gen 1
- 1x USB 3.2 Gen 1 (Always On)

# ThinkPad P15v Gen 3 (AMD)

- 1x USB4® 40Gbps (support data transfer and DisplayPort™ 1.4)
- 1x HDMI® 2.1, up to 4K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (RJ-45)
- 1x SD card reader
- 1x Security keyhole
- 1x Power connector

## Optional Ports

1x Smart card reader

### Notes:

[1] The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.

USB 2.0: 480 Mbit/s;

USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;

USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly USB 3.1 Gen 2): 10 Gbit/s;

USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4® 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s.

## Docking

### Docking

Various docking solutions supported via USB-C®.

For more compatible docking solutions, please visit [Docking for ThinkPad® P15v Gen 3 \(AMD\)](#)

## Monitor Cable

### Monitor Cable

- (Optional) Lenovo® USB-C® to DisplayPort™ Adapter
- (Optional) Lenovo® HDMI® to VGA Monitor Adapter
- (Optional) Lenovo® USB-C® to VGA Adapter

## SECURITY & PRIVACY

## Security

### Security Chip

Discrete TPM 2.0 (TCG certified) and Microsoft® Pluton TPM 2.0, one enabled at one time<sup>[1]</sup>

### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

### Smart Card Reader

- Smart card reader
- No smart card reader

### Fingerprint Reader

Touch style fingerprint reader on palm rest, match-on-chip

### BIOS Security

- Power-on password
- Supervisor password
- NVMe® password
- Self-healing BIOS

### Other Security

- (Optional) IR camera for Windows® Hello (facial recognition)
- (Optional) Camera privacy shutter
- Bottom cover tamper detection

### Notes:

[1] Microsoft® Pluton TPM 2.0 is only applicable on Windows® 11.

## MANAGEABILITY

## System Management

### System Management

- AMD PRO Manageability
- Non-AMD PRO

## SERVICE

### Warranty

#### Base Warranty\*\*

- 1-year courier or carry-in service
- 1-year courier or carry-in with 2-year system board service (Korea only)
- 1-year limited onsite service
- 3-year (1-yr battery) courier or carry-in service
- 3-year (1-yr battery) limited onsite service
- No base warranty

## ENVIRONMENTAL

### Operating Environment

#### Temperature<sup>[1]</sup>

- Operating: 5°C (41°F) to 35°C (95°F)
- Storage and transportation in original shipping packaging: -20°C (-4°F) to 60°C (140°F)
- Storage without package: 5°C (41°F) to 43°C (109°F)

#### Relative Humidity

- Operating: 8% to 95% at wet-bulb temperature 23°C (73°F)
- Storage and transportation: 5% to 95% at wet-bulb temperature 27°C (81°F)

#### Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

Notes:

[1] When you charge the battery, its temperature must be no lower than 10°C (50°F).

## CERTIFICATIONS

### Green Certifications<sup>[1]</sup>

#### Green Certifications<sup>[2]</sup>

- ENERGY STAR® 8.0
- EPEAT™ Gold Registered<sup>[3]</sup>
- RoHS compliant
- TCO Certified

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

[2] EPEAT™ registration and ENERGY STAR® certification are dependent on system OS. Please visit [epeat.net](http://epeat.net) and [energystar.gov](http://energystar.gov) for more information.

[3] EPEAT™ is registered where applicable, please see [epeat.net](http://epeat.net) for registration status by country.

### Other Certifications

#### Mil-Spec Test

MIL-STD-810H military test passed

### ISV Certifications

#### ISV Certifications

Please visit [ISV certifications for Lenovo® Workstations](#)

- Feature with \*\* means that only one offering listed under the feature is configured on selected models.
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