

# ThinkPad P15v Gen 3 (Intel) 21D8000NUK

## PSREF

Product Specifications  
Reference

### PERFORMANCE

#### Processor

Intel® Core™ i7-12800H, 14C (6P + 8E) / 20T, P-core 2.4 / 4.8GHz, E-core 1.8 / 3.7GHz, 24MB

#### Graphics

NVIDIA® RTX A2000 4GB GDDR6

#### Chipset

Intel SoC Platform

#### Memory

1x 16GB SO-DIMM DDR5-4800 non-ECC

#### Memory Slots

Two DDR5 SO-DIMM slots, dual-channel capable

#### Max Memory

Up to 64GB DDR5-4800

#### Storage

512GB SSD M.2 2280 PCIe® Gen 4x4 Value NVMe® Opal2

#### Storage Support

Up to two drives, 2x M.2 SSD

- M.2 2280 SSD up to 4TB, 2TB each
- RAID 0/1 support

#### Storage Slot

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

#### Card Reader

SD Reader

#### Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

#### Speakers

Stereo speakers, 2W x2, Dolby® Audio™ Premium

#### Camera

IR & HD 720p with Privacy Shutter

#### Microphone

2x, Array

#### Battery

Integrated 68Wh

#### Power Adapter

135W Slim Tip (3-pin)

### DESIGN

#### Display

15.6" FHD (1920x1080) IPS 300nits Anti-glare, 45% NTSC

#### Color Calibration

No color calibration

#### Keyboard

Backlit, English (UK)

#### Case Color

Black

#### Case Material

PC + ABS (Top), PC + ABS (Bottom)

#### Dimensions (WxDxH)

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

#### Weight

Starting at 2.226 kg (4.91 lbs)

### SOFTWARE

#### Operating System

Windows® 11 DG Windows 10 Pro 64, English

### CONNECTIVITY

#### Ethernet

100/1000M

#### WLAN + Bluetooth®

Intel AX211 Wi-Fi® 6E, 2x2 + BT5.1

#### WWAN

WWAN Upgradable to 4G

#### Standard Ports

- 2x USB 3.2 Gen 1 (one Always On)
- 1x Thunderbolt™ 4 / USB 4 40Gbps (support data transfer, Power Delivery 3.0, and DisplayPort™ 1.4)
- 1x HDMI®, up to 4K/60Hz
- 1x SD card reader
- 1x Ethernet (RJ-45)
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Power connector

#### Optional Ports (configured)

- 1x Smart card reader
- 1x Nano-SIM card slot (WWAN support models)

#### Docking

Various docking solutions supported via Thunderbolt, USB-C®, or USB-A.

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

### SECURITY & PRIVACY

#### Smart Card Reader

Smart Card Reader

#### Security Chip

Discrete TPM 2.0

#### Fingerprint Reader

Touch Style, Match-on-Chip

#### Physical Locks

Kensington® Security Slot™, 3 x 7 mm

#### Other Security

Camera privacy shutter

### MANAGEABILITY

#### System Management

Intel® vPro Enterprise

### SERVICE

#### Base Warranty

3-year, Depot

#### Included Upgrade

3Y Premier TP WS WHB (CPN) (5WS1B09494), CO2 Offset 2 ton (5WS1C41957)

### CERTIFICATIONS

#### Green Certifications

- EPEAT™ Gold
- ENERGY STAR® 8.0
- TCO Certified 9.0
- RoHS compliant

#### Mil-Spec Test

MIL-STD-810H military test passed

#### ISV Certifications

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

### MODEL

**TopSeller** : Yes **Announce Date** : 2022-04-26

**EAN / UPC / JAN** : 0196380209901 **End of Support** : 2028-10-08



- 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

## Premier Support - A direct 24x7x365 line to our most elite technicians.

Advanced technical support, 24x7x365, in more than 100 markets

Technical Account Managers for proactive relationship and escalation management

Comprehensive hardware & OEM software support

Priority on service delivery and repair parts

Single point of contact for simplified end-to-end case management

Lenovo Service Connect Portal for customized reporting and product support

## 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 USB-C Dock Gen 2

40AS0090US

- Lenovo understands that modern business depends on a wide variety of PC's and even brands to meet their business needs. To make this easier Lenovo USB-C dock is compatible with Lenovo notebooks as well as note...

### ThinkPad Hybrid USB-C with USB-A Dock (American Standard Plug Type B)

40AF0135US

The ThinkPad Hybrid USB-C with USB-A Dock expands the capabilities of most any laptop, new or old, making it perfect for enterprise customers with mixed-PC or shared-desk environments. Featuring enterprise-class manag...

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

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