

ThinkPad P53

BREAKING BOUNDARIES



UNLOCKING NEXT-LEVEL POWER AND PERFORMANCE

The ThinkPad® P53 breaks performance barriers to achieve a new milestone for mobile workstations. Through impeccable design and engineering, the ThinkPad P53 is the most powerful 15-inch mobile workstation ever, packing the power of NVIDIA Quadro RTX 5000 graphics with Intel 9th Gen Xeon and Core class CPUs.

Perfect for engineers, architects, and designers, this powerhouse is built to handle AR and VR content creation, deployment of mobile AI or demanding ISV workflows with ease. Enabling users to do more and go further than ever before, the ThinkPad P53 sets a new standard for mobile workstations.

FEATURES



Up to NVIDIA®
Quadro RTX™ 5000



9th Gen Intel®
Xeon® and Core™



15" Display, OLED Touch
with Dolby Vision HDR



Up to 6TB PCIe
NVMe SSD Storage



Up to 128GB
DDR4 Memory



Dual Intel Thunderbolt™ 3

Lenovo™

Lenovo™ Options & Accessories



ThinkVision® P44w Monitor



ThinkPad® Thunderbolt™ Workstation Dock



New Slim ThinkPad® 230W AC Adapter

Lenovo™ ThinkPad® P53 Specifications

PERFORMANCE

Processor

9th Gen Intel® Xeon® and Core™

Operating System

Windows 10 Pro for Workstation
Windows 10 Pro
Windows 10 Home
Ubuntu® Linux (pre-load)
Red Hat® Linux (certified)

Graphics

Up to NVIDIA® Quadro RTX™ 5000

Camera

HD Camera with ThinkShutter
Hybrid IR¹ Camera with ThinkShutter

Total Memory

Up to 128GB DDR4

Memory DIMM Capacity

8GB / 16GB / 32GB ECC & non-ECC
4 SoDIMM slots

Total Storage

Up to 6TB

RAID

0, 1, 5

Battery

90Whr

Power Supply

170W Slim
230W Slim

CONNECTIVITY

Ports

(2) USB-A 3.1 Gen 1*, 1 Always On
(2) USB-C Thunderbolt™ 3
(1) USB-C
(1) HDMI 2.0
(1) Mic/Headphone Combo Jack
(1) Smart Card Reader¹
(1) RJ45 Gigabit Ethernet

WLAN

Intel Wi-Fi 6 AX200 (Gig+) +
Bluetooth® 5.1 vPro

WWAN

Fibocom L850 LTE CAT9

Media Card Reader

4-in-1 SD Card Reader

ThinkShield

dTPM 2.0
Touch Fingerprint Reader
ThinkShutter
Kensington Lock Slot

SOFTWARE

Windows 10 Preloads

Lenovo Vantage

ISV CERTIFICATIONS

ArcGIS®, AutoCAD®, CATIA®, Creo®,
Inventor®, Microstation®, NX®, PDMS®,
Revit®, Solid Edge®, SolidWorks®,
Vectorworks®, Petrel®, Decision
Space®, 3dsMax®, Maya®

DESIGN

Display

15.6" Display
4K (3840 x 2160)
- OLED Touch, 400nit,
Dolby Vision HDR
- LCD IPS 500nit,
Dolby Vision HDR
FHD (1920 x 1080) IPS
- 300nit or 500nit, 72% NTSC

Keyboard

ThinkPad® Precision Keyboard
with Numeric Keypad, Backlit

Dimensions (WxDxH)

(mm): 377.4 x 252.3 x 25

Weight

Starting at 5.4lbs (2.45kg)

GREEN CERTIFICATIONS

EPEAT™
Energy Star 7.1
Greenguard
RoHS Compliant

For full list of accessories and options, please visit:
<https://accsmartfind.lenovo.com>

¹ Optional

* The actual transfer speed of the USB 3.1 Gen1 will vary and, depending on many factors, such as the processing capability of host and peripheral devices, file attributes and other factors related to system configuration and your operating environments, will be slower than a speed of 5Gbit/s.

RECOMMENDED SERVICES

Lenovo™ offers a comprehensive portfolio of services to support and protect your ThinkPad® investment— so you can focus on your business, not your IT.

Premier Support

Bypass phone menus and scripted troubleshooting to access advanced-level technicians with the expertise needed to quickly diagnose and solve problems.

Warranty Upgrades—Onsite and Next Business Day

Maximizes PC uptime and productivity by providing convenient, fast repair service the next business day.

Warranty Extensions (1 to 5 years total duration)

This fixed-term, fixed-cost service helps you accurately budget for PC expenses, protect your valuable investment, and potentially lower the cost of ownership over time.

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