



PROFESSIONAL MACHINES FOR ADVANCED USERS



This 15.6" display ThinkPad P Series mobile workstations offer a choice of professional graphics and processor options.

ThinkPad P53

Smarter
technology
for all

Lenovo

Recommended for mobile users with advanced workloads such as data analysis, graphics and 3D rendering, and even AR/VR content generation. Configure with powerful 8-core processors, NVIDIA Quadro RTX5000 graphics, and up to 3 storage drives. For true-to-life images with superb colour and black levels, select the Dolby Vision™ HDR screen. This model features a new smaller power supply, Dolby Atmos® audio system, and even optional 4G WWAN connectivity.

REASONS TO BUY

Lenovo Performance Tuner makes it easy to edit power management settings, BIOS, processor priority, graphics features and more. Save settings in software-specific profiles or use the predefined profiles created by our experts, already tuned for popular applications.

Certified or recommended for use with: Adobe After Effects, Adobe Photoshop, Adobe Premiere Pro

Configure with an 8-core Intel Xeon™ or Core™ i9 processor, fast M.2 SSD storage and up to 128GB of memory; enabling multitasking of large spreadsheets, databases or complex statistical software.



ThinkPad P53

KEY SPECIFICATIONS

| | |
|------------------|--|
| Processor | up to Intel Xeon processor E-2200 or 9th Gen Intel Core i9 processor |
| Operating System | Powered by Windows 10 Pro for Workstations |
| Display | 15.6" Dolby Vision HDR screen, 4K (3840x2160), OLED, 100000:1 contrast ratio, 100% DCI-P3 gamut (touch) 15.6" Dolby Vision HDR screen, 4K (3840x2160), IPS, 1200:1 contrast ratio, 100% gamut 15.6" Dolby Vision HDR screen Full HD (1920x1080), IPS, 1200:1 contrast ratio, 72% gamut 15.6", Full HD (1920x1080), IPS, 700:1 contrast ratio, 72% gamut |
| Color Calibrator | Factory Color Calibration |
| Touchscreen | touchscreen on 4K OLED display, optional Lenovo Pen Pro |
| Graphics | up to NVIDIA Quadro RTX 5000 |
| Memory | up to 128GB DDR4-2400 ECC or non-ECC |
| Storage | up to 3x 2TB M.2 PCIe NVMe or 1x 2.5" 2TB SATA HDD + 2x 2TB M.2 PCIe NVMe optional RAID 0/1/5 optional Intel Optane 32GB memory |
| Audio | 2x 2W stereo speakers with Dolby Atmos Optional dual array far-field mics |
| Battery† | up to 13hrs, 90Wh |
| Power Adapter | One of the following 170W Slim Tip 230W Slim Tip |
| Camera | One of the following 720p + IR with ThinkShutter 720p with ThinkShutter |
| Keyboard | Backlit, spill-resistant keyboard |
| Dimensions | From Width: 377.4mm (14.86") Depth: 252.3mm (9.93") Height: 24.5-29.4mm (0.96-1.16"), non-touch models |
| Weight | starting at 2.5kg (5.51lb), non-touch models |

GREEN CERTIFICATIONS

EPEAT Silver. ENERGY STAR 7.1

OTHER CERTIFICATIONS

MIL-STD-810G military testing

CONNECTIVITY

| | |
|------------------|--|
| I/O Ports | 2x USB 3.1 Gen 1 (1x Always On), 1x USB 3.1 Type-C Gen 1 (power delivery and DisplayPort), 2x USB 3.1 Type-C Gen 2 / Thunderbolt 3 (power delivery and DisplayPort), HDMI 2.0, Ethernet (RJ-45), nano-SIM card slot (WWAN models), audio combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), security keyhole |
| WLAN + Bluetooth | Intel AX200 11ax, 2x2 + BT5.1 |
| WWAN | Optional |
| NFC | Optional |
| Docking | Compatible with Thunderbolt™ 3 and USB 3.0 & USB-C docking solutions |

SECURITY & PRIVACY

Fingerprint Reader
Smart Card Reader
IR Camera with Windows Hello
Kensington lock slot

MANAGEABILITY

Intel vPro, DASH (optional)

ISV CERTIFICATIONS

ALLPLAN, ANSYS, AVEVA PDMS, AVEVA PDMS, E3D, Hull & Outfitting, BOCAD, Adobe After Effects, Adobe Photoshop, Adobe Premiere Pro, Altair HyperWorks, Autodesk 3ds Max, Autodesk Alias, Autodesk AutoCAD, Autodesk Inventor, Autodesk Maya, Autodesk Revit, Autodesk VRED, Avid Media Composer, BarcoMedical Monitors, Bentley MicroStation V8i, CONNECT Edition, LumenRT, DS (CATIA, DELMIA, ENOVIA), DS 3DEXPERIENCE, DS ICEM Surf, DS SOLIDWORKS, Esri ArcGIS Desktop, McKesson / Change Healthcare Enterprise Medical Imaging, PTC Creo, Siemens NX, TcVis, Tecnomatix, Siemens Solid Edge, Vectorworks

Recommended for this device



ThinkPad Professional Backpack

Lightweight bag (1.3kg/2.87lbs) with unique design that cradles a laptop for superior protection

Compatible with laptops up to 15.6"

Hidden security pocket for valuables and a tablet storage pouch



ThinkPad Thunderbolt 3 Workstation Dock Gen 2

Provides up to 170W of power for a ThinkPad mobile workstation or laptop via a single cable

5x USB3.1 (1x always-on for charging mobile devices), front-facing Thunderbolt 3 port for 40Gbps data transfer

2x DisplayPort, 2x HDMI - connect up to 3x 4K displays



Asset Tagging

Tamper-proof physical labelling of devices can deter theft

Can be implemented during or after manufacturing

Information can be added to BIOS for import to asset management systems

Information presented here may represent the maximum possible configurations for this product, but it does not necessarily reflect what is available in your region. Please ask your rep or check the specifications for specific Part Numbers in your region. † Based on testing with MobileMark 2014. Battery life varies significantly with settings, usage, and other factors. © 2020 Lenovo. Products are available while supplies last. Lenovo is not responsible for photographic or typographic errors. Lenovo, the Lenovo logo, ThinkPad, ThinkCentre, ThinkBook, ThinkStation and ThinkVision are trademarks or registered trademarks of Lenovo. 3rd party product and service names may be trademarks of others. Depending on factors such as the processing capability of peripheral devices, file attributes, system configuration and operating environments, the actual data transfer rate of USB connectors will vary and is typically slower than published standards.