ThinkPad P17 Gen 1

Smarter technology for all

Lenovo

Designed for advanced users who often need to carry their work with them. This mobile workstation features powerful NVIDIA Quadro RTX graphics, an improved thermal design for more effective cooling and Ultra Performance Mode that allows the device to deliver maximum performance – perfect for handling heavy workloads like data analytics and computer-aided design. There's WiFi 6 technology for even faster internet speeds and best-in-class security features protect sensitive business data.

PROFESSIONAL MACHINES FOR ADVANCED USERS



ThinkPad P7 Series mobile workstations offer large 17" screens and have the most powerful graphics capabilities of any of our mobile workstations.



REASONS TO BUY

The optional 17.3" 4K display is perfect for multi-window applications and split-screen multitasking. Dolby Vision HDR technology offers true-to-life visuals with expanded contrast, brilliant colours and stunning detail when viewing web pages, documents or video content while Dolby Atmos speaker system delivers impeccable sound.

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

For data analysis, configure with an 8-core Intel Xeon or Core i9 processor, fast M.2 SSD storage and up to 128GB of memory.

Updated 2022-06-02

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KEY SPECIFICATIONS

Processor	up to Intel Xeon processor W-10885M or 10th Gen Intel Core i9 processor
Operating System	Powered by Windows 10 Pro for Workstations
Display	17.3" Dolby Vision HDR screen, 4K (3840x2160), IPS, 1500:1 contrast ratio, 100% Adobe 17.3" screen, Full HD (1920x1080), IPS, 700:1 contrast ratio, 72% gamut
Graphics	up to NVIDIA Quadro RTX 5000 Max-Q, 16GB
Memory	up to 128GB DDR4-2933 ECC or non-ECC
Storage	up to 2x 2TB M.2 PCIe NVMe optional RAID 0/1
Audio	2x 2W stereo speakers Dolby Atmos Dual array far-field mics
Battery†	up to 14.6hrs, 94Wh
Power Adapter	*One of the following* 170W Slim Tip (2-pin) 170W Slim Tip (3-pin) 230W Slim Tip (3-pin)
Camera	IR & 720p with ThinkShutter
Keyboard	Optional backlit, spill-resistant keyboard
Dimensions	From Width: 415.44mm (16.36") Depth: 280.81mm (11.06") Height: 25.11-33.25mm (0.99-1.31")
Weight	starting at 3.5kg (7.7lb)

GREEN CERTIFICATIONS

EPEAT Silver. ENERGY STAR 8.0

OTHER CERTIFICATIONS

MIL-STD-810G military testing

CONNECTIVITY

I/O Ports	3x USB 3.2 Gen 1 (1x Always On), 1x USB 3.2 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), audio combo jack, optional smart card reader, 4-in-1 reader (MMC, SD, SDHC, SDXC), security keyhole
WLAN + Bluetooth	Intel AX201 11ax, 2x2 + BT5.1
WWAN	Optional
Docking	Compatible with Thunderbolt™ 3, Side Mechanical dock 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 (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, Bentley MicroStation V8i, CONNECT Edition, LumenRT, DS (CATIA, DELMIA, ENOVIA), DS 3DEXPERIENCE, DS ICEM Surf, DS SOLIDWORKS, Esri ArcGIS Desktop, PTC Creo, Siemens NX, TcVis, Tecnomatix, Siemens Solid Edge, Vectorworks

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.

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



ThinkVision P32u-10

31.5” 4K (3840x2160) monitor with multi-color gamut (>99% Adobe RGB, 97% DCI-P3)

2x ThunderBolt 3 (1x in, 1x out), 2x HDMI, 1x DisplayPort, 4x USB 3.0 downstream, 1x USB 3.0 Type-B upstream, audio out

Lift, Tilt, Pivot, Swivel stand for viewing comfort



Premier Support

Talk directly with advanced technical support agents

Support for software & hardware

Next business day onsite repairs