

Next level performance

Engineered for engineers

The ThinkPad® P50 takes mobile performance to a whole new level. Made for professional designers and engineers, the P50 features the first ever Intel® Xeon® processors made for mobile workstations and NVIDIA® Quadro® professional graphics. Lenovo's thinnest and lightest full-function mobile workstation. The ThinkPad® P50 is MIL-SPEC tested for maximum durability, is ISV certified, and features a beautiful 15.6" 4K UHD display with X-Rite® Pantone® color calibration for absolute accurate colors throughout the life of the product.



WHY YOU SHOULD BUY THE LENOVO™ THINKPAD® P50 MOBILE WORKSTATION



Mobile performance

Packed with power, including the first Intel® Xeon® processors for mobile workstations, latest NVIDIA® Quadro® graphics card, up to 64 GB of memory, and 1 TB of PCIe storage.



Stunning visuals

Ultra high resolution 4K IPS display with 100% color gamut and X-Rite® Pantone® color calibration, keeps images vibrant and accurate.



Ultimate user experience

Upgraded touchpad resists wear and features new 3-button functionality. Move huge files in an instant with the fastest connection using Intel® Thunderbolt™ 3.



Legendary reliability

The ThinkPad® P50 is MIL-SPEC tested. The new FLEX Performance Cooling gives users the ability to push their system harder for longer using dual-fan technology.

THE LENOVO™ THINKPAD® P50 MOBILE WORKSTATION IS BEST SUITED FOR

1 Engineers and designers who have to have the thinnest, lightest, yet fastest system.

2 Users looking for ISV certified mobile workstation which ensures superior application performance.

3 Torture-tested to be ThinkPad® tough; ensuring your system can withstand the rigors of day-to-day use in the field.

WHAT'S IN A THINKPAD®

- ① The gold standard in reliability since 1992
- ② Premium materials and layers of reinforcement
- ③ Award winning ergonomic keyboard
- ④ Form factors for all needs
- ⑤ Purposeful design details



SPECIFICATIONS

PERFORMANCE

Processor

Intel® Xeon® E3-1505M v5 (8M Cache, 2.80 GHz)
 Intel® Xeon® E3-1535M v5 (8M Cache, 2.90 GHz)
 Intel® Core™ i7-6820HQ vPro (8M Cache, up to 3.60 GHz)
 Intel® Core™ i7-6700HQ (6M Cache, up to 3.50 GHz)

Operating System

Windows 10 Pro 64-bit
 Windows 10 Home Premium 64-bit
 Windows 7 Professional 64-bit (pre-installed through
 downgrade rights in Windows 10 Pro)
 Windows 7 Professional 64-bit
 Ubuntu® Linux

Graphics

NVIDIA Quadro M1000M 4 GB
 NVIDIA Quadro M2000M 4 GB

Memory

Up to 64GB 2133MHz DDR4 (ECC Optional)

Max. Storage Devices - 3

Up to 3 drives - 2 x 2.5" bays
 (one of them can store 2 x M.2 SATA or 2 x PCIe drive)

RAID

0, 1

Power Supply

170 W

Battery¹

4 Cell (66 WHr)
 6 Cell (90 WHr)

¹ Battery life (and recharge times) will vary based on many factors including system settings and usage. A description of the environment under which the test was performed is available upon request.

² Optional.

^{*} Dimensions apply to models with touch panel

CONNECTIVITY

Ports

(4) USB 3.0, 1 Always-on Charging
 (1) HDMI 1.4
 (1) Mini DisplayPort™ 1.2
 (1) Thunderbolt™ 3 / USB 3.1 (type C) combo
 (1) RJ45 Gigabit Ethernet
 (1) Docking Connector
 (1) Microphone / Headphone Combo Jack
 (1) Smart Card Reader²
 (1) ExpressCard / 34 mm
 (1) SDXC

WLAN

Intel® 8260 2 x 2 a/c + Bluetooth® 4.1 vPro
 Intel® 8260 2 x 2 a/c + Bluetooth® 4.1 non vPro

WWAN

Sierra EM7445 - 4G LTE-A

Media Card Reader

Integrated 4-in-1 SD Card Reader
 (SD, SDHC, SDXC, MMC)

DESIGN

Dimensions (W x D x H)*

(mm) : 377.4 x 252.3 x 24.5 - 25.9
 inches) : 14.86" x 9.93" x 0.96" - 1.02"

Display

FHD (1920 x 1080) IPS, 300 nits
 FHD Touch (1920 x 1080) IPS, 270 nits
 4K UHD (3840 x 2160) IPS, 300 nits

Weight

Starting at 2.5 kg

Color Sensor

X-Rite® Pantone®²

Keyboard

ThinkPad® Precision Keyboard with
 Numeric Keypad and Backlit²

GREEN CERTIFICATION

- EPEAT™ Gold
- ENERGY STAR® 6.1
- GREENGUARD®
- RoHS Compliant



RECOMMENDED SERVICES

Lenovo™ offers a comprehensive portfolio of services to support and protect your ThinkPad® investment. Focus on your customers and business, not your IT.

PRIORITY TECHNICAL SUPPORT³

Makes your priority, our priority. 24x7 priority call routing to advanced-level technicians, electronic incident tracking, and rapid response and resolution.

WARRANTY SERVICES (UP TO 5 YEARS TOTAL DURATION)

Warranty extensions help accurately budget for PC expenses and protect your investment. Warranty upgrades maximize PC uptime and productivity by providing convenient, fast repair service at your place.

ACCIDENTAL DAMAGE PROTECTION³

Avoid the hassles of unexpected repair costs. Provides coverage for non-warranted damage incurred under normal operating conditions, such as minor spills, drops or damage to the integrated screen.

KEEP YOUR DRIVE

Retain your drive if it should happen to fail, giving you the peace of mind to know that your valuable data is secure. KYD applies to all drives within multi hard disk/SSD systems.

³ Not available in all regions.

OPTIONS & ACCESSORIES



ThinkPad®
Performance Dock



WWW.LENOVO.COM

