

# 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® Processors for Mobile Workstations  
6th Generation Intel® Core™ Processor

#### Operating System

Windows 10 Pro  
Windows 8.1 Pro  
Windows 7 Professional (available through  
downgrade rights from Windows 10 Pro)

#### Graphics

NVIDIA® Quadro®

#### Memory

4 SODIMM Slots, 64 GB Max., 2133 MHz

#### Max. Storage Devices - 3

2 TB HDD  
1 TB PCIe / SATA SSD

#### RAID

0, 1

#### Power Supply

170 W

#### Battery<sup>1</sup>

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

### CONNECTIVITY

#### Ports

(4) USB 3.0, 1 Always-on Charging  
(1) HDMI 1.4  
(1) Mini DisplayPort™ 1.2  
(1) Thunderbolt™ 3  
(1) RJ45 Gigabit Ethernet  
(1) Docking Connector  
(1) Microphone / Headphone Combo Jack  
(1) Smart Card Reader<sup>2</sup>  
(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

#### 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 5.6 lbs (2.5 kg)

#### Color Sensor

X-Rite® Pantone®<sup>2</sup>

#### Keyboard

ThinkPad® Precision Keyboard with  
Numeric Keypad and Backlit<sup>2</sup>

### SOFTWARE

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

### GREEN CERTIFICATION

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

<sup>1</sup> 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.

<sup>2</sup> Optional.

## 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 SUPPORT<sup>3</sup>

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

#### WARRANTY UPGRADES - ON-SITE AND NEXT BUSINESS DAY

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

#### WARRANTY EXTENSIONS

##### (1-TO-4 YEARS TOTAL DURATION)

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

#### 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.

<sup>3</sup> Not available in all regions.

## OPTIONS & ACCESSORIES



ThinkPad®  
Performance Dock

[WWW.LENOVOPARTNERNETWORK.COM/THINKPAD-P-SERIES](http://WWW.LENOVOPARTNERNETWORK.COM/THINKPAD-P-SERIES)  
[WWW.LENOVOPARTNERNETWORK.COM/CA/THINKPAD-P-SERIES](http://WWW.LENOVOPARTNERNETWORK.COM/CA/THINKPAD-P-SERIES)

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