

## LENOVO THINKPAD T400 AND T500 NOTEBOOK

GREAT IDEAS THAT BREAK BARRIERS WITH CUTTING-EDGE TECHNOLOGY.



### UNCOMPROMISED PERFORMANCE

- Combines the highest performing Intel® Core™2 Duo processor with Active Management Technology (iAMT), for enhanced notebook management and security



### BEST WIRELESS SOLUTIONS

- All T Series models are Wireless WAN (WWAN) ready
- A unified WWAN antenna design provides for superior performance in connectivity, provider options and global roaming
- All models feature the best connectivity options and support WWAN and WiMAX (available later in 2008)
- Ultra Wide Band (UWB) (initially starting in the U.S. and Japan)
- Faster data transfer rates than T61
- Bluetooth capability



### CUTTING-EDGE TECHNOLOGIES

- Switchable graphics (integrated and discrete)
- Solid State Drives for improved performance and reliability
- GPS capable (WWAN models)
- High performing DDR3 memory
- LED-backlight displays
- DisplayPort - for the next generation VESA interface incorporating HD video (available on T500)



### ENVIRONMENTALLY RESPONSIBLE

- Most energy-efficient ThinkPad® notebook
- An EPEAT Gold qualified notebook (LED-backlight systems)
- Industry's first PC with a GREENGUARD Air Quality certification
- Energy-efficient 25 watt processors
- New Power Management utility and Enhanced BatteryStretch feature for lower power consumption and improved battery life

**NEW NAMING CONVENTION:** The latest ThinkPad T Series marks the introduction of a new naming convention. The new ThinkPad T400 notebook (14.1" widescreen display) and the ThinkPad T500 notebook (15.4" widescreen display) will replace the ThinkPad T61 notebook.



**lenovo**®

## THE NEW THINKPAD T SERIES

ENGINEERED TO REACH NEW HEIGHTS IN CONNECTIVITY, PRODUCTIVITY, POWER MANAGEMENT, ENVIRONMENTAL RESPONSIBILITY AND COMFORT.

The ThinkPad T Series notebooks are designed to enhance productivity and change the way you work. To begin with, they feature 14.1" and 15.4" LED-backlight widescreen displays that help to lower power consumption and offer brighter colors. In addition, the notebooks come equipped with a range of technology that includes Solid State Drives (SSDs), an integrated camera, DDR3 memory modules, new DisplayPort technology and a wider Touchpad for improved ergonomics. ThinkVantage® Client Security Solution with an Integrated Fingerprint Reader and SmartCard support are other innovative features that give these notebooks extra protection by securing data against potential intruders.

ThinkPad notebooks are also environmentally responsible and can meet EPEAT Gold qualification. Equally reassuring is the fact that T Series models enjoy worldwide, round-the-clock service and support and come with an industry-leading warranty—as well as optional services like ThinkPad Protection which provides repair and replacement services to further protect assets.



### OUTSTANDING BATTERY LIFE

New Power Management feature enables extended battery life. The Enhanced BatteryStretch feature allows users to select the most efficient power management on demand.



### SWITCHABLE GRAPHICS

Provision for an easy switch between discrete and integrated graphics processing unit which enables maximized battery life and performance.



### COOL AND QUIET DESIGN

Best engineered fan technology for focused air flow which provides for cooler systems and balanced temperatures across the system. The new fan design guarantees super quiet computing.

## THINKPAD T400 / T500 NOTEBOOK SPECIFICATIONS

### THINKPAD T SERIES

#### Processor (Speed, L2 Cache, FSB)<sup>1</sup>

Intel® Core™2 Duo processor P8400  
(2.26GHz, 3MB L2, 1066MHz FSB, 25 watt)  
Intel® Core™2 Duo processor P8600  
(2.4GHz, 3MB L2, 1066MHz FSB, 25 watt)  
Intel® Core™2 Duo processor P9500  
(2.53GHz, 3MB L2, 1066MHz FSB, 25 watt)  
Intel® Core™2 Duo processor T9400  
(2.53GHz, 6MB L2, 1066MHz FSB, 35 watt)  
Intel® Core™2 Duo processor T9600  
(2.8GHz, 6MB L2, 1066MHz FSB, 35 watt)

#### Preloaded Operating System<sup>2</sup>

Genuine Windows Vista® Ultimate 32  
Genuine Windows Vista® Business 32  
Genuine Windows Vista® Business 64  
Genuine Windows Vista® Home Premium 32  
Genuine Windows Vista® Home Basic 32  
Genuine Windows® XP Professional

#### Serial ATA Hard Drives<sup>3</sup>

80, 160, 250, 320GB/5400rpm  
160GB/7200rpm  
200GB/7200rpm with Full Disk Encryption (FDE)  
64GB Solid State Drive

#### Memory<sup>4</sup>

Up to 8GB of PC2-8500 1066MHz DDR3

#### Optical Drive

DVD-ROM, CD-RW/DVD-ROM, DVD Burner, Blu-ray

#### Keyboard

Ergonomic keyboard with palm rest, ThinkPad UltraNav® multipointing system, including TrackPoint® pointing device with "Press-to-Select," Internet Scroll Bar, intuitive volume, ThinkVantage button and Windows® key

#### Graphics

Integrated Intel® X4500  
T400: ATI Mobility Radeon™ HD 3470 w/256MB Switchable Graphics  
T500: ATI Mobility Radeon HD 3650 w/256MB Switchable Graphics

#### Available Integrated Communications

Gigabit Ethernet  
Integrated WWAN (with GPS)<sup>5</sup>  
Ultra Wide Band (UWB) (available later in 2008)  
Bluetooth® 2.1<sup>6</sup>  
WiMAX (available later in 2008)

#### Supported WLAN Cards<sup>7</sup>

Intel® Wireless WiFi Link 5100 1x2  
Intel® Wireless WiFi Link 5300 2x3  
Intel® WiMAX / WiFi Link 5350  
ThinkPad 11b/g Wireless LAN Mini PCI Express Adapter III

#### Security

Standard: ThinkVantage Client Security with Password Manager, Integrated Trusted Platform Module (TPM v1.2), Bios disable of all ports  
Optional: Integrated Fingerprint Reader, SmartCard Reader, Full Disk Encryption HDD, Softex OmniPass, Utimaco® SGE

#### Other Features

Optional integrated camera, white ThinkLight®

#### ThinkPad Shock-Mounted Hard Drive

Standard

#### Limited Warranty<sup>8</sup>

1yr, 3yr system/4yr system by special bid only/1yr battery

#### Included Software (Preloaded)<sup>9</sup>

Adobe Acrobat Reader; Microsoft® Office Ready 2007; Microsoft® Windows Live™ Toolbar & Search; Roxio Creator; Intervideo WinDVD (DVD models only); Intervideo WinDVD Creator (DVD models only); McAfee VirusScan® Plus with 30 days of virus definition updates; Creator Business Edition (combo models); Creator Business Edition + MYDVD (Rambo); PC-Doctor diagnostics; Sun™ JRE™; ThinkPad Utilities (Power Manager and Presentation Director); ThinkVantage Access Connections™; ThinkVantage Fingerprint Software; ThinkVantage Productivity Center; ThinkVantage Rescue and Recovery®; ThinkVantage System Update; ThinkVantage Client Security Solution

### THINKPAD T400

#### Li-ion Battery Life (Windows Vista®)<sup>10</sup>

4-cell: starting at 4.3 hr  
6-cell: starting at 6.5 hr  
9-cell: starting at 9.8 hr  
9-cell + bay battery: starting at 13.0 hr

#### Dimensions

335.3x238x27.6x31.9mm (4/6-cell battery)  
13.2x9.4x1.1 - 1.3"

#### Weight<sup>11</sup>

4-cell battery models starting at 2.13 kg/4.7 lb

#### Display

WXGA (1280x800, 98dpi, 185+ nit)  
WXGA+ (1440x900, 129dpi, 200+ nit)  
WXGA+ W/LED backlight (1680x1050, 129dpi, 200+ nit)

#### Ports and Slots

Ports: 3 USB, IEEE 1394a, VGA, Microphone/line-in, Headphone/line-out  
Slots: Standard ExpressCard 34/54mm and optional choice of either PC Card, or 7-1 Media Card Reader

### THINKPAD T500

#### Li-ion Battery Life

6-cell: starting at 4.3 hr  
9-cell: starting at 6.4 hr  
9-cell + bay battery: starting at 8.5 hr

#### Dimensions

357.5x255 x 29.7x 33.5mm (6-cell battery)  
14.1x10.0x1.2 - 1.3"

#### Weight

6-cell battery models starting at 2.63 kg/5.8 lb

#### Display

WXGA (1280x800, 98dpi, 185+ nit)  
WSXGA+ resolution (1680x1050, 129dpi, 200+ nit)  
WXGA w/LED backlight (1280x800, 98dpi, 185+ nit)

#### Ports and Slots

Ports: 3 USB, IEEE 1394a, VGA, Microphone/line-in, Headphone/line-out, DisplayPort and optional DVI-D monitor cable

Slots: Standard ExpressCard 34/54mm, 7-1 Media Card Reader and optional choice of either PC Card or SmartCard

## THINKPAD T SERIES GOES GREEN



The ThinkPad T400 and T500 notebooks can both meet EPEAT Gold qualification (LED-backlight display systems). They consume 25% less power when compared to previous generation notebooks and also have Energy Star 4.0 and Climate Savers certifications.

What else makes the ThinkPad T Series so "green"?

- Industry's first PC with GREENGUARD Air Quality certification
- Less power consumption with LED-backlight displays compared to a standard LCD display
- Increased power efficiency with BatteryStretch feature
- Less power consumption with Solid State Storage Drives compared to standard hard drives
- Greater use of recycled plastics
- Mercury free displays (LED-backlight displays)



**DESIGNED TO DO THE UNEXPECTED**

**MAKE AN AMAZING PC EVEN BETTER.**

## THINKPAD T400/T500 NOTEBOOK ACCESSORIES:



**LENOVO 2GB PC3-8500 1066MHz DDR3 SODIMM MEMORY (43R1988)**  
Lowest-cost method to boost system performance.  
Recommended for Microsoft® Vista



**THINKPAD BUSINESS TOPLOAD CASE (43R2476)**  
Easily transport and protect your ThinkPad notebook against bumps and jostles



**THINKPAD ADVANCED MINI DOCK (250410U)**  
Rear ports offer enhanced cable management and connectivity; quick and easy access to peripherals



**THINKPAD T/R 14W 9-CELL HIGH CAPACITY BATTERY (43R2499)**  
Carry spare battery or replace system batteries when charge capacity diminishes with time



**THINKPAD AND IDEAPAD™ 90W SLIM AC/DC COMBO ADAPTER (41N8460)**  
Allows you to power your notebook everywhere you go—in the office, at home, on the road and in the air; optional dual charging cable also can simultaneously charge cell phones or PDA devices



**THINKPAD T/R400 SERIES 14W PRIVACY FILTER (43R2472)**  
**THINKPAD T/R/W500 SERIES 15W PRIVACY FILTER (43R2474)**  
Keep screen information private.



[www.lenovo.com](http://www.lenovo.com)

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**Footnotes:** [1] **Mobile processors:** Power management reduces processor speed when in battery mode. [2] **Operating system:** Level of support varies by operating system. Operating systems not preloaded on the system may not provide full feature functionality. Refer to [lenovo.com/pc/support](http://lenovo.com/pc/support) and enter your machine type and model number for more information. [3] **Hard disk drive:** GB=1,000,000,000 bytes. Accessible capacity is less; up to 4GB is service partition. [4] **Models with 4GB Memory:** Total accessible memory will be less and will vary depending on the system configuration. Maximum capacity may require purchase of optional component. Subject to availability of new 4GB DIMMs. [5] **WWAN Service Providers:** Coverage not available in all areas. Service available via select service providers and is available in select metropolitan markets. Service agreement required. Special credit and tenure restrictions and additional charges may apply to international roaming. A network connection, third-party software, additional hardware, and/or subscription to a third-party service may be required for certain solutions/applications. Additional restrictions apply. Service is subject to the applicable service agreement/terms from the respective service providers, the corresponding rate plan brochure and coverage maps. Offer subject to change. [6] **The Bluetooth word mark and logos:** are owned by Bluetooth SIG, Inc. and any use of such marks by Lenovo is under license. [7] **11a, 11b, and 11g wireless:** are based on IEEE 802.11a, 802.11b, and 802.11g respectively. The IEEE 802.11n specification has not been finalized and is currently in draft release. The Lenovo and ThinkPad 11a/b/g/n Wireless Lan Mini-PCI Express Adapters are based on the Draft Release, Version 1.0, of the IEEE 802.11n specification. An adapter with 11a/b, 11a/b/g, or 11a/b/g/n can communicate on any of its supported formats; the actual connection will be based on the access point to which it connects. [8] **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges. [9] **Included Software:** may differ from its retail version (if available) and may not include user manuals or all program functionality. [10] **Battery Life:** Battery life based on MobileMark 2007 Benchmark on Windows Vista 32 bit. [11] **Weight:** Includes battery and optional travel bezel instead of standard optical drive in Ultrabay drive, if applicable. Weight may vary due to vendor components, manufacturing process and options. **The following are trademarks of Lenovo:** Lenovo, the Lenovo logo, Access Connections, IdeaPad, Rescue and Recovery, System Migration Assistant, ThinkPad, ThinkLight, ThinkVantage, TrackPoint, Ultrabay, and UltraNav. Intel, the Intel logo, Intel Core and Core Inside, are trademarks of Intel Corporation in the U.S. and other countries. Microsoft, Windows, Windows Live and Vista are registered trademarks of Microsoft Corporation. Sun and JRE are trademarks of Sun Microsystems, Inc. or its subsidiaries in the United States and other countries. Other company, product and service names may be trademarks or service marks of others.

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