



## Lenovo ThinkPad

### Product Details

ThinkPad R500  
Model 2716W2D



At a glance...			
<b>Processor</b> <sup>2</sup>	Intel® Core 2 Duo Processor P8600 2.40GHz	<b>Audio</b>	Conexant Azalia Audio Codec
<b>Memory (std/max)</b>	2 GB / 4 GB	<b>Fax/modem speeds</b>	56Kbps data/14.4Kbps fax
<b>Disk capacity</b> <sup>1</sup>	160GB	<b>Network Interface</b>	Gigabit Ethernet-Integrated
<b>Display</b>	15,4" 1680x1050 -- WXGA+ TFT	<b>Installed OS</b>	Genuine Windows Vista Business (WXP Pro )
<b>PCMCIA Card Bus Slots</b>			
<b>Media Device</b> <sup>8</sup>	DVD Recordable:24X Max		
<b>Unique System Features</b>	One Button System Recovery; Bluetooth; Fingerprint Reader; Camera; IEEE 1394		

New ThinkPad R500 notebook is the best blend of reliability, durability, versatility, mobility, security, and performance, keeping total cost of ownership low and productivity in the forefront.

#### Features & Benefits

- Intel® Core™ 2 Duo Processor technology for the enhanced performance
- The ThinkPad R500 features a DisplayPort to make digital display connections easier and more readily available, while also improving performance
- ThinkPad R500 includes Mobile Intel® GMA 4500MHD integrated graphics which provides 50% faster graphics performance compared to previous version chipsets.
- Popular 15.4" WXGA and WXGA + widescreen display
- ThinkVantage manageability tools that are built-in standard. Power Manager and Access Connections have been improved to enhance the user experience.

#### General Information

Price

#### Administrative Information

Part number	Description
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<b>2716W2D</b>	<b>R Series 2.40G 3 2/250 15.4</b>
Product category:	Mobile
Product family:	Lenovo ThinkPad
Product series:	ThinkPad R Series
UPC Code:	
Model name:	ThinkPad R500
Worldwide part number:	2716W2D
Retail SKU #:	
Global model:	No
Workhorse model:	No
Type / Model:	2716-W2D
Standard pack quantity:	
Announce status:	Announced
Availability status:	TopSeller
Announce date:	31 Aug 08
General availability date:	31 Aug 08
IBM announcement number:	
Announcement of withdrawal date:	
Withdrawal date:	
Withdrawal announcement number:	
Final returns date:	
Final returns request date:	
Returns announcement number:	
Alternative models:	
Most recent change date:	
Reason for change:	
Countries of origin:	
Ship group:	System unit with country-specific keyboard Worldwide AC adapter Country-specific line cord Telephone cable Rechargeable battery pack TrackPoint cap Operating System TopSeller
Special model designation:	

## Warranty

Limited Warranty period and type<sup>3</sup>: **Three years parts and labor (system battery: one year) Customer Carry-in Repair**

## Technical Information

### Architecture

Form factor:	<b>Notebook</b>
Bus type/architecture:	<b>PCI/PCI Express</b>
Expansion bus type:	<b>PCI/PCI Express</b>
Bay Type:	
Indicator light:	<b>Yes</b>
Cover material:	<b>Magnesium composite</b>

### Display

Screen type description:	<b>WSXGA+ TFT</b>
Viewable image size (diagonal):	<b>15,4inches</b>
Screen illumination:	<b>Backlit</b>
Max resolution on built-in screen:	<b>1680x1050</b>
Max colors or grey shades:	<b>16777216</b>
External display supported:	<b>Yes</b>
Max resolution on external display:	
Simultaneous external display:	<b>Yes</b>

## Processor

Processor (CPU) <sup>2</sup> :	Intel® Core 2 Duo Processor P 8600
Processor internal clock speed <sup>2</sup> :	2.40GHz
Front side bus:	1GHz
Processor manufacturer:	Intel
L2 external CPU cache std/max:	– /
Upgradable processor:	
BIOS type:	Flash ROM

## Memory

Memory (RAM) std/max:	2GB / 4GB
RAM speed:	1066MHz
Optional RAM configuration:	512:1024:2048MB SODIMM
RAM type:	PC3-8500 DDR3 SDRAM
RAM slots total (available):	2 SODIMM (1 SODIMM)

## Hard disk

Hard disk controller:	Serial ATA
Hard disk size <sup>1</sup> :	160GB
Hard disk type:	Serial ATA
Average seek time:	12ms
Average latency:	4,17ms
Number of platters:	2
Platter RPM:	5400
Burst transfer rate:	150MBps
Sustained data trans rate (low; high):	–

## Graphics subsystem

Graphics chipset:	Intel Graphics Media Accelerator 4500MHD
Graphics type:	–
Graphics data width:	
Video RAM std/max:	
Video RAM type:	DVMT
Max resolution (with max video RAM) NI:	2048x1536 16777216 colors
Max colors (with max video RAM):	16777216
Graphics bus interface:	PCI Express
Graphics features:	

## Multimedia

Media speed <sup>8</sup> :	24X Max
Media interface type:	EIDE
Media data transfer rate:	15,7KBps
Media average access time:	150ms
Media transport type:	Side tray loading
Recordable:	Yes
Removable:	Yes
Audio features:	Mute Button; Speakers (integrated)
Multimedia features:	Display Port, Integrated microphone , Multimedia Center , Speakers(stereo)/headphone jack, 7 in1 Multicard Reader

## Audio

Audio chipset make & model:	Conexant Azalia Audio Codec
Audio data width:	24

Number of integrated speakers: **2**  
Speaker power rating: **2Watts**  
Volume control buttons: **Yes**

## Communications

Fax/modem: **56K V.92 designed modem**  
Fax/modem speeds: **56Kbps data/14.4Kbps fax**  
Infrared Port: **No**  
Wireless Type: **PAN**  
Wireless Standard: **Intel WiFi Link 5100AGN**  
Wireless Max. Speed: **Bluetooth: 1Mbps**  
Description: **Bluetooth Version 2.1 + EDR**  
Frequency: **Bluetooth:2.4GHz**

Network card: **Integrated Gigabit Ethernet**  
Network interface: **Gigabit Ethernet- Integrated**  
Network speed: **10Mbps,100Mbps,1000Mbps**  
Network features:

## Accessories

A/C adapter:  
Worldwide A/C compatibility: **Yes**  
Port replicator: **None**  
Dock: **None**

## Standard features

Pointing device type: **UltraNav (TrackPoint and TouchPad)**  
Standard diskette size: **—**  
Optional diskette size: **—**  
Diskette drive configuration:  
Keyboard type standard:  
Keyboard light: **Yes**  
Product approvals/certifications<sup>4</sup> :

## Power management

### Note<sup>5</sup>

Battery life - min/max: **4.1 Hrs**  
Battery type(s): **6 Cell Lithium-Ion**  
Charge time - on/off: **6.0Hrs / 4.0Hrs**  
Heat emissions: **90W**  
Sound emissions: **40dB**  
Power management features<sup>4</sup> : **Battery Power Status Display**  
**EasyEject Utility**

## Expansion options

Plug and play support: **Yes**  
Standard Interfaces:  
Ports (type):  
Expansion ports: **External Display (VGA), Display port, Expansion Bus port (for Dock II/Mini Dock or Port Replicator II), Headphone jack, IEEE 1394, Microphone jack, RJ-11, RJ-45, 3 USB 2.0, 7-1 Multi Media Card Reader (SD,SDHC,XD,MMC, Memory Stick, Memory Stick Pro**

## Weight & dimensions

Note <sup>6</sup>	
Weight:	<b>2,94Kg</b>
Travel weight:	<b>0.31Kgs</b>
Height:	<b>38,5mm</b>
Width:	<b>358,6mm</b>
Depth:	<b>260mm</b>
Operating Temperature (C) (low; high):	<b>10; 31</b>
Relative Humidity (%) (low; high):	<b>8; 80</b>

## Software

Tested operating systems:	<b>Microsoft DOS 6.22, Microsoft Windows XP Home Edition SP 1a/SP2a 32bit, Microsoft Windows XP Professional SP 1a/SP2a 32bit, Windows Vista Business , Windows Vista Business 64, Windows Vista Enterprise Edition 32-bit, Windows Vista Enterprise 64, Windows Vista Home Basic , Windows Vista Home Basic 64, Windows Vista Home Premium , Windows Vista Home Premium 64, Windows Vista Ultimate, Windows Vista Ultimate 64-Bit</b>
Operating system provided:	<b>Genuine Windows Vista Business (Windows XP Professional preload)</b>
Communication/networking applications: <sup>9</sup>	
Device drivers/utilities: <sup>9</sup>	
Multimedia applications: <sup>9</sup>	
Productivity applications: <sup>9</sup>	
Other applications provided: <sup>9</sup>	
Preloaded applications:	<b>Yes</b>

## Security

Universal management features:	<b>Automatic software and driver updates Help Lenovo Care Password management Simple network connectivity 1-Button system recovery</b>
Security features:	<b>Security Slot Fingerprint reader Hard disk drive password Norton Internet Security Power on password</b>
VPD support:	
Security Chip:	<b>Intel iTPM</b>

