

Detailed specifications - ThinkPad R61e

- [Architecture](#)
- [Communications](#)
- [Expansion](#)
- [Power](#)
- [Operating environment](#)
- [Security](#)
- [Software](#)
- [Storage](#)
- [Video](#)

Architecture

Audio

- High Definition (HD) Audio, CX20549 codec
- Stereo speakers, 1 watt
- Volume up, down, mute buttons
- Microphone input jack, headphone jack

Keyboard

- Embedded numeric keypad and TrackPoint.
- ThinkVantage button, ThinkLight keyboard light, individual volume up, down, and mute buttons.
- The keyboard has a Fn key which is a special key and is located in the lower left corner. The Fn key allows the user to instantly activate the following operational features by pressing the Fn key and a designated function key:
 - Standby/Suspend/Hibernation
 - Switching between Display device
- Fingerprint reader is integrated into the palm rest of select models of the ThinkPad notebook computer to prevent unauthorized access to your notebook and data.

Memory

- PC2-5300 Non-Parity (NP) Double Data Rate Two (DDR2) Technology
 - The use of 667 MHz SO DIMM memory is recommended for this system.
 - 512MB, 1GB standard memory
 - Recommended for memory expansion are 512MB, 1GB, and 2GB PC2-5300 DDR2 SDRAM 667 MHz(7)SO DIMM.
 - Supports maximum memory up to 4GB
- Notes:** Only 64-bit operating systems support more than 3GB of system memory (RAM).

Mouse

- All systems come TrackPoint. The TrackPoint features Press-to-Select, Internet scroll, and magnifying glass for accurate and convenient control.

Processor

- Enhanced Intel SpeedStep technology
- Available processors are:
 - Intel Core Duo processor T7100(1.8GHz), T7300(2GHz)
 - 4 MB L2 cache, 667 MHz front-side bus
 - Intel Core Duo processor T7500(2.2GHz)
 - 4 MB L2 cache, 800 MHz front-side bus
 - Intel Celeron processor M 540(1.86GHz), M 550(2GHz) also available
 - 1 MB L2 cache, 400 MHz front-side bus

Communications

Modem

- 56K v.92

Note: Public network download speeds are limited to 53kbps. Upload speeds are limited to 48Kbps. Actual speeds depend on many factors and are often less than the maximum stated.

Network

- Intel PRO/Wireless 3945ABG
- Intel Wireless WiFi Link 4965AGN
- Intel 11b/g Wi-Fi Wireless
- ThinkPad 11a/b/g Wireless LAN Mini PCI Express Adapter
- ThinkPad 11b/g Wireless LAN Mini PCI Express Adapter II
- Integrated Bluetooth wireless technology (select models)

Expansion

Bays

- One integrated, easy-loading modular Ultrabay
- One ExpressCard slot and one PC Card (Type-II) slot
- One PC Card (Type-II) slot and one Smart Card slot

External ports

- Integrated UltraConnect Wi-Fi wireless antenna
- Headphone/line-out
- External DB-15 monitor
- Three USB 2.0 ports
- RJ-11 and RJ-45 ports

PC Card

- Conforms to the PC Card Standard 95
- Type II slot
- Both the 16-bit Release 2.1 card standard and the 32-bit CardBus card are supported.

Operating environment

Physical specifications

15.4" (391mm) WXGA (1280x800)

- Width: 358.5 mm (14.1 in)
- Depth: 260 mm (10.2 in)
- Height: 35.3–38.5 mm (1.39–1.52 in)
- Weight:
 - 6-cell: starting at 2.9kg (6.4 lb)
 - 9-cell: starting at 3.1kg (6.7 lb)

Accessories:

- Li-Ion battery pack: 311 g (0.69 lb)
- AC adapter: (2-pin or 3-pin)
- Power cord for ac adapter

Note: All weight and dimensions are approximate.

Agency approvals

- FCC Class-B Part 15
- VCCI Class B
- CISPR22 Class B
- UL-60950
- CSA C22.2 No. 950
- NOM
- SASO
- IEC 60950
- ACA
- MPR-II (Sweden)

- CE Mark
- CCC (for China)
- BSMI
- CER

Power

AC Adapter

- AC adapter: This ac-to-dc converter supplies the necessary power to the computer. The ac adapter also charges the battery pack when it is installed in the computer.
- Universal AC adapter (90 W):
 - Input is 100/240 V ac, 1.5A, 50/60 Hz
 - Output is 20 V dc, 4.5 A
- Li-Ion battery packs:
 - Six-cell
 - Nine-cell

Battery

- The battery pack is an internal power source to the computer when the ac adapter is not available. The battery pack is rechargeable and is charged using the AC adapter with the system.
- You can determine how much battery power remains by using the ThinkPad utility program. This displays the percent charge remaining, whether one or two batteries are in the system.
- A different optional Li-Ion battery pack, the Ultrabay Slim Li- Polymer battery, fits into the Ultrabay Slim so that two batteries can be installed to increase battery operating time.
- A six or nine cell Li-Ion battery pack is shipped with the system.
- Li-Ion battery pack:
 - Six-cell
 - Nine-cell
- Approximate operation hours are (*1):
 - 6-cell Celeron: Up to 2.1 hours
 - 6-cell Core 2 Duo: Up to 5.0 hours
 - 9-cell Core 2 Duo: Up to 7.0 hours

Notes:

- (*1) Recharge time also varies.
- These model numbers achieved the Ziff Davis Media Inc.'s Business Winstone 2002 BatteryMark(TM) V1.0 battery rundown time of at least the times shown. This test was performed without independent verification by the VeriTest testing division of Lionbridge Technologies, Inc. (VeriTest) nor Ziff Davis Media Inc.. Neither Ziff Davis Media Inc. nor VeriTest makes any representations or warranties as to these test results. A description of the environment under which the test was performed is available at the following URL: www.ibm.com/pc/ww/thinkpad/batterylife.html. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning and other customer preferences.

Security

System

- Locking device in the security slot provides physical security.

Password

Power-on passwords help protect the system from unauthorized use. If a power-on password is set, the password prompt appears:

- Each time the system is turned on.
- When the system is returned to normal operation from suspend mode.

A Supervisor Password provides a higher level of security than the power on password. The Supervisor Password protects the system functions from being used by unauthorized users, and protects the hardware configuration from unauthorized modification. The Supervisor Password prompt appears:

- When the BIOS setup screen is accessed.

A hard drive password protects hard drive data from unauthorized users. Once a hard drive password is set, data on the hard drive cannot be accessed without the correct hard drive password. Because this password is stored in the hard drive, the data remains protected even if the hard drive is removed to another system. The hard drive password prompt appears:

- Each time the system is turned on.

Software

Operating system

The following operating systems are supported on the ThinkPad R61e system:

- Windows XP Professional
- Windows Vista Home Basic (32 bit)
- Windows Vista Home Premium (32 bit)
- Windows Vista Home Premium (64 bit)
- Windows Vista Business (32 bit)
- Windows Vista Business (64 bit)
- Windows Vista Ultimate (32-bit)

Notes:

- Previous versions of these operating systems are not supported.
- Operating systems other than those preinstalled on the systems may not provide full-feature functionality.

Storage

Optical drive

- CD-ROM
- CD-RW/DVD
- DVD-ROM
- CD-RW/DVD-R

Floppy drive

- Only available using USB or Docking solution

Hard drive features

- Standard 60GB, 80GB, or 120GB hard drive sizes
- Supports one additional hard drive which can be used concurrently to offer expanded storage in the Ultrabay Enhanced
- 5400 rpm hard drive speed
- Although you can upgrade the hard drive, it is not designed to be removed and reinserted on a regular basis. Repeated and frequent removal, for purposes other than to upgrade for greater capacity, can cause damage to the system. The Ultrabay Slim hard drive adapter is designed to provide this flexibility with a second hard drive in the Ultrabay Slim.

Video

Display

15.4-inch WXGA TFT (1280 x 800 resolution) TFT display

Notes:

- All displays are measured diagonally.

Graphic Controller

Video chipsets:

- Intel PM965/GM965 graphics - Intel Graphics Media Accelerator X3100

Country Availability

Available	Worldwide
------------------	-----------

Document ID : PD000892

Legacy Document ID : MIGR-68201

Last Updated :

Copyright © Lenovo 2013, all rights reserved