

New Lenovo IdeaPad Y510 widescreen notebook computer — Solid performance at a great value

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At a glance

The new Lenovo IdeaPad Y510 has a stylish design and delivers with the Lenovo New Family Face including unique ID design, infinity screen, Light Weave texture, Shuttle icon, integrated touch pad, sink hinge, and diamond-shaped intake. The Lenovo IdeaPad Y510 features the 15.4-inch WXGA antiglare screen providing sharp contrast, crisp images, enhanced color depth, and wide viewing angles.

- Mobile Intel PM965 Express Chipset
- NVIDIA GeForce Go 8400M GS (128 MB)
- Two Mini-PCIe card slots, one six-in-one multimedia card reader
- Integrated Bluetooth wireless technology
- Intel PRO/Wireless 3945ABG Network Connection
- Two Integrated wireless LAN (WLAN) antennas
- 10/100 Ethernet
- 56K V.90 fax/modem
- Realtek High Definition Audio (ALC888)
- Boot support for USB Memory Key, USB HDD, and USB CD-ROM

Overview

What's new

The new Lenovo™ IdeaPad Y510 widescreen notebook features a stylish design with the Lenovo New Family Face and a 15.4-inch WXGA display with unique ID design — Infinity Screen and light weave texture in a black PC-ABS cover. The Lenovo IdeaPad Y510 delivers outstanding performance in audio visual applications, including Intel® Core 2 Duo processors, an Intel PM965 Chipset, and NVIDIA GeForce Go 8400M GS (128 MB). It features up to 250 GB 5400 rpm hard drives and up to 4 GB of DDR2 RAM, and is Microsoft® Windows® Vista preloaded.

These new models may include many of the following features and options¹:

- Intel Core 2 Duo processor family
- Mobile Intel PM965 Express Chipset
- NVIDIA GeForce Go 8400M GS (128 MB)
- HDDs: 160 GB² (2.5-in, 5400 rpm)
- System memory: 2 GB (2 x 1 GB)^{3,4}
- Optical drives: DVD Recordable (dual layer)⁵

- Integrated 10/100 Ethernet
- Integrated 56K⁶ V.90⁷ modem (V.92-designed)
- Integrated Bluetooth wireless technology
- TV Tuner
- Intel PRO/Wireless 3945ABG^{8,9} Network Connection
- 15.4-inch WXGA antiglare display
- Integrated 1.3-megapixel camera
- Six-cell Li-Ion battery
- Three USB 2.0 ports and IEEE 1394 (4-pin)
- Two internal array microphones
- Two internal stereo speakers
- Stereo headphone output jack
- VGA port
- Two Mini-PCIe slots
- One 54-mm ExpressCard slot
- Six-in-one multcard reader
- Stylish black covers
- ISO full-size, 86-key, six-row keyboard, with two-button touchpad and Windows KeyQuick — Buttons: power, novo, Dolby, wireless switch, mute, and shuttle with multimedia control keys
- Service and support: One-year warranty¹⁰

Note: International Warranty Service (IWS) is available on a limited basis. Contact your Lenovo representative for details.

For up-to-date marketing and technical information, visit

<http://www.lenovo.com>

Great products from Lenovo and great support make a great combination.

Product number: For details, refer to the Product number section.

Planned availability date

November 27, 2007

AP distribution

Country/Region	Announced
AP IOT	
ASEAN*	No
India/South Asia**	Yes
Australia	No
People's Republic of China	No
Hong Kong S. A. R. of the PRC	No
Macao S. A. R. of the PRC	No
Taiwan	No
Korea	No
New Zealand	No
Japan IOT	
Japan	No

* Brunei Darussalam, Indonesia, Cambodia, Lao People's Democratic Republic, Malaysia, Philippines, Singapore, Thailand, Viet Nam

** Bangladesh, Bhutan, India, Sri Lanka, Maldives, Nepal, Afghanistan

Description

The Lenovo IdeaPad Y510 offers a complete set of multimedia capabilities with a 1.3M integrated camera, Shuttle Center, 2x2-watt speakers with chamber, 1x2.5-watt subwoofer, a tray-in or slot-in Rambo, and a six-in-one multcard reader. The face identification technology enhances your productivity and security.

The Lenovo IdeaPad Y510 notebook offers comprehensive ports including 3 USB ports, 1 mini IEEE 1394 port, two internal array microphones, line in, audio out, TV antenna jack, and one 54-mm ExpressCard slot. It also features built-in communications capabilities: 802.11 a/b/g card, Bluetooth, and 10/100M Ethernet.

Hardware

- Intel Core 2 Duo processor family
- HDDs: 160 GB (2.5-in, 5400 rpm)
- System memory: 2 GB (2 x 1 GB)
- Optical drives: DVD Recordable (dual layer)
- Integrated 10/100 Ethernet
- Integrated 56K V.90 modem (V.92-designed)
- Integrated Bluetooth wireless technology
- TV tuner
- Mobile Intel PM965 Express Chipset
- NVIDIA GeForce Go 8400M GS (128 MB)
- Intel PRO/Wireless 3945ABG Network Connection
- 15.4-inch WXGA antiglare display
- Integrated 1.3-megapixel camera
- Six-cell Li-Ion battery
- Three USB 2.0 ports and IEEE 1394 (4-pin)
- Two Internal array microphones
- Two internal stereo speakers
- Stereo headphone output jack
- VGA port
- Two Mini-PCIe slots
- One 54-mm ExpressCard slot
- Six-in-one multimedia card reader
- Stylish black covers
- ISO full-size, 86-key, six-row keyboard, spill-resistant, with two-button touchpad and Windows KeyQuick. Buttons: power, novo, Dolby, wireless switch, mute, and shuttle with multimedia control keys

Operating system software

Microsoft Windows Vista® Home Premium

Non-Lenovo software: The non-Lenovo software programs listed in this section may be licensed to you under the non-Lenovo manufacturer's, supplier's, or publisher's terms and conditions. The non-Lenovo manufacturers, suppliers, or publishers are responsible for providing any service or support associated with these programs. The descriptions of these programs were obtained from information made available by these companies to the general public. Lenovo does not warrant these products. Some software may differ from its separately available version

(if available), and may not include user manuals or all program function.

Software that may be included or preloaded on the system:

Microsoft Windows Vista Home Premium

- Power2GO
- Adobe Acrobat Reader
- Norton Internet Security Software (OEM Edition) with 90 days of virus definition updates
- Shuttle Center
- PM V1.2
- Easycapture V2.0
- Sphinx V1.0
- One Key Recovery V4.5
- Microsoft Office Ready with a 60-day trial version of Microsoft Office 2007 Professional Hybrid (Activation Assistant for Microsoft Office, Microsoft Office Access 2007, Microsoft Excel 2007, Microsoft Outlook 2007, Microsoft PowerPoint 2007, Microsoft Publisher 2007, Microsoft Office Word 2007, Microsoft Office Tools, Microsoft SQL server 2005 — Databases used for Microsoft Office Outlook 2007 with Business Contact Manager)

Warranty information

For a copy of applicable product warranties, contact your authorized Lenovo reseller or Lenovo representative. Lenovo makes no representation or warranty regarding third-party products or services.

Telephone support may be subject to additional charges, even during the limited warranty period. For Lenovo machines with on-site labor, Lenovo will attempt to diagnose and resolve the problem remotely before sending a technician. For Lenovo machines with courier or depot service, your service provider will attempt to diagnose and resolve the problem remotely before sending a courier.

All offers are subject to availability. Lenovo reserves the right to alter product offerings and specifications at any time without notice. Lenovo is not responsible for photographic or typographic errors.

Product number

Mobile products

Preloads are described in the Description section.

India machines

Description	(Microsoft Windows Vista Home Premium)		
	Order number	Machine type	Model
Lenovo IdeaPad Y510 (15.4-inch WXGA TFT (1280 x 800) antiglare display, Integrated 1.3M Camera, TV Tuner, Intel Core 2 Duo processor T5450, Mobile Intel PM965 Express Chipset, NVIDIA GeForce Go 8400M GS (128 MB), Bluetooth wireless technology, 160.0 GB / 5400 rpm, DVD Recordable, 2 GB (2 x 1 GB), 6-cell battery, Intel PRO/Wireless 3945ABG, Microsoft Windows Vista Home Premium)	775844Q	7758	44Q

Reference information

- 1 Certain product family features are limited to selected models that may not be available in all countries. Some combinations of features are not supported. Refer to the models and features available in your country.
- 2 GB equals one billion bytes when referring to HDD. Accessible capacity is less. Up to 4 GB is used in the service partition.
- 3 For PCs without a separate video card, memory supports both system and video. Accessible system memory is up to 128 MB less than the amount stated, depending on video mode.
- 4 Memory options up to 1024 MB PC5300 DDR2 SDRAM SO DIMM can be added for maximum memory expansion. IdeaPad systems are only tested to a maximum of 2 GB of memory. Even though it is possible to physically install 4 GB of memory, the actual amount of memory addressable by the operating system is limited to 3 GB. This limitation comes from the current 32-bit PC architecture.
- 5 For combination drives, maximum speeds are given in the following order: CD-R, CD-RW, CD, and DVD. CD and DVD drives list maximum rates; rates are variable and are often less than the maximum.
- 6 The V.90 modem can receive data at up to 56 Kbps from a compatible service provider and transmit data at up to 31.2 Kbps. Public networks currently limit maximum download speeds to about 53 Kbps. Actual speeds depend on many factors and are often less than the maximum possible.
- 7 Public network download speeds are limited to 53 Kbps. Upload speeds are limited to 48 Kbps for V.92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V.92 functions and speeds require a compatible phone line and server equipment, and download of the V.92 support device driver when available. Check with your telephone and Internet service providers for availability.
- 8 11a, 11b, and 11g wireless are based on IEEE 802.11a, 802.11b, and 802.11g. An adapter with 11a/b/g can communicate on any of these formats; the actual connection is based on the access point to which it connects.
- 9 Wi-Fi wireless lets you connect to a LAN without wires or cables. To connect to the Internet, an access point or similar device and an Internet connection are required. This product has been tested and certified to be interoperable by the Wireless Ethernet Compatibility Alliance and is authorized to carry the Wi-Fi logo.
- 10 Refer to the Lenovo Statement of Limited Warranty for terms governing support obligations. For a copy, contact your authorized Business Partner or Lenovo customer representative.

Trademarks

Intel is a registered trademark of Intel Corporation.

Microsoft, Windows, and Windows Vista are registered trademarks of Microsoft Corporation.

Lenovo is a trademark of Lenovo in the United States, other countries, or both

Other company, product, and service names may be trademarks or service marks of others.

Optional features

For the latest information on options, including compatibility, available for the IdeaPad Y Series visit

<http://lenovo.com/accessoriesguide>

Technical information

Physical specifications

- Width: 360 mm (14.17 in)

- Depth: 262 mm (10.31 in)
- Height: 29.2 to 36.2 mm (1.14 to 1.42 in)
- Weight (approximate): 2.95 kg (6.49 lb)

Accessories

- Battery pack (Li-Ion): 323.5 g (0.712 lb)
- AC adapter (3-pin)
- Power cord for ac adapter

Note: Actual specifications and weights may vary based on features, vendor components, or manufacturing processes.

Electrical specifications

- Universal ac adapter (65 W)
 - Input: 100/240 V ac, 50/60 Hz
 - Output: 19 V dc
- Six-cell Li-Ion battery pack: 11.1 V, 2.2 Ah

Operating environment: Lenovo computers are designed, built, and tested for high quality and reliability. When used properly in standard business environments, a Lenovo system should be a reliable computing asset for many years. Harsh environments and abuse can damage these systems because they are not intended to withstand extreme temperatures, dust, shock, or other severe physical environments. Lenovo systems should not be used in unsuitable environments. For example, a Lenovo system should not be used in nonstationary environments, such as in-vehicle installations, without additional casing or shock dissipation. Lenovo warrants that this notebook will conform to its Official Published Specifications when used in a suitable physical operating environment.

For additional information about supported environments, refer to the Physical specifications section.

Agency approvals: System unit

- FCC Class-B certified to comply with FCC Rules, Part 15
- CISPR22 Class B
- UL 60950
- IEC 60950
- CE Mark
- CCC (for China)

Software requirements: The Microsoft® Windows Vista® Home Premium operating system supports the Lenovo IdeaPad Y510 systems.

Note: Previous versions of this operating system are not supported.

Operating systems other than those preinstalled on the systems may not provide full-feature function. To view considerations or Service Hints and Tips by operating system, visit

<http://www.lenovo.com/support>

- In the middle of the screen, in the Quick path to a product field, enter your system's four-digit machine type and three-digit model number, such as 7758-44Q
- On the left side of the screen, click Hints and Tips.

Compatibility and supported products

Contact your Lenovo representative for a list of supported features and options.

Vendor software compatibility

Lenovo tests a large number of commonly used and available applications for compatibility with its Lenovo systems using supported operating systems and configurations. In general, you can expect that most vendor applications designed to run on supported operating systems and Intel®-compatible system architectures should be compatible with a Lenovo system. Some configurations, however, may not be compatible.

Lenovo does not warrant or support vendor software products, nor guarantee compatibility of those products with Lenovo systems. Refer to the applicable warranty and license terms provided by the respective vendors.

The IdeaPad Y series contain BIOS in their flash ROM and a GUI to set up the system and power management features for Windows® users. BIOS provides the hardware instructions and interfaces designed to support the standard features of the Lenovo IdeaPad Y510 notebook computer.

Limitations: For a list of tips about running various versions of operating systems, visit

<http://www.lenovo.com/support>

Select "IdeaPad Y510 system Hints and Tips."

Planning information

Cable orders: All cables are included in the shipment group.

Installability: Lenovo IdeaPad Y510 systems require approximately 20 minutes for installation. Installation includes unpacking, setting up, and powering on the system. Additional time is required to install optional memory and other optional features.

Supplies: None

Security, auditability, and control

Standard security features

Passwords: These password-protection mechanisms are available:

- Power-on passwords to help protect the system from unauthorized use
- Supervisor password for use by a system administrator
- HDD password to help protect data on the removable HDD

In addition, an optional locking device in the security slot provides physical security.

The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communications facilities.

Terms and conditions

To obtain copies of the Lenovo Statement of Limited Warranty, contact your reseller or Lenovo.

Warranty period

- System hardware — One year on parts and labor
- System battery — One year

Optional Lenovo features initially installed in a Lenovo system carry the same warranty period as the system. If installed after the initial system installation, they carry the balance of the system

warranty or the optional feature warranty, whichever is greater.

Warranty service: If required, your service provider provides repair or exchange service depending on the type of warranty service specified below for the machine. A service technician will attempt to resolve your problem over the telephone, you must follow the problem determination and resolution procedures. Scheduling of service will depend upon the time of your call and is subject to parts availability. Service levels are response time objectives and are not guaranteed. The specified level of warranty service may not be available in all worldwide locations, additional charges may apply outside your service provider's normal service area, contact your local service provider representative or your reseller for country- and location-specific information.

Customer replaceable unit (CRU) service: Lenovo will ship CRUs to you for you to install. Tier 1 CRUs are easy to install whereas Tier 2 CRUs require some technical skill and tools. CRU information and replacement instructions are shipped with your machine and are available from Lenovo at any time on your request. You may request that a service provider install CRUs, at no additional charge, under the type of warranty service designated for your machine. Lenovo specifies in the materials shipped with a replacement CRU whether a defective CRU must be returned. When return is required, return instructions and a container are shipped with the replacement CRU. You may be charged for the replacement CRU if Lenovo does not receive the defective CRU within 30 days of your receipt of the replacement.

Customer carry-in or mail-in service: You will deliver or mail as your service provider specifies (prepaid unless specified otherwise) the failing machine suitably packaged to a designated location. After the machine has been repaired or exchanged, it will be made available for your collection or, for mail-in service, the machine will be returned to you at Lenovo's expense, unless your service provider specifies otherwise. You are responsible for the subsequent installation and verification of the machine.

International Warranty Service (IWS): IWS is available on a limited basis.

Licensing: Programs included with this product are licensed under the terms and conditions of the license agreements that are shipped with the system.

Field-installable features: Yes

Model conversions: No

Machine installation: Customer setup. Customers are responsible for installation according to the instructions Lenovo provides with the machine.

Graduated program license charges apply: No. This product does not contain licensed internal code or licensed machine code.

Educational allowance: None

Prices

For all local charges contact your sales representative.

Trademarks

Intel is a registered trademark of Intel Corporation.

Microsoft, Windows Vista, and Windows are registered trademarks of Microsoft Corporation.

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