

ideapad

Personal Systems Reference Lenovo® IdeaPad™ Netbooks and Notebooks

December 2010 - Version 390



Lenovo IdeaPad U160

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Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-32U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸		Red		6-cell	Starter	Jan 10
0647-33U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB	11b/g/n	Gobi2000	Black		6-cell	Starter	Jan 10
0647-23U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB	11b/g/n		Black	Bluetooth	6-cell	Starter	Jan 10
0647-37U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	250GB	11b/g/n		Red		6-cell	Starter	Oct 10
0647-39U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	250GB	11b/g/n		Red	Bluetooth	6-cell	Starter	Dec 10

- Lenovo's netbook: smaller and lighter than a notebook
- 10.1" widescreen, glossy display with LED backlight
- Super-slim (starts at 0.6 inch thin)
- Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face
- OneKey™ Rescue System includes OneKey Recovery with press of recovery key
- Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Netbook; consumer markets</i> Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache													Preloaded operating system²⁰	
Memory	1GB std / 2GB max / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available													Preloaded applications¹⁴ (only some listed)	
Optical drive	None													<ul style="list-style-type: none"> Lenovo® OneKey Recovery McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® Windows Live™ Essential Lenovo ReadyComm Lenovo Energy Management Software Lenovo DirectShare VeriFace Quick Start Lenovo MapLife Microsoft Office 2010 preloaded; purchase product key to activate 	
SATA disk	160GB (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™														
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 180 nits, 16:9 aspect ratio, 400:1 contrast ratio													Limited Warranty¹²	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus													<ul style="list-style-type: none"> 1-year warranty*: <ul style="list-style-type: none"> 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter Mail In repair service Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> 2-year Mail-In warranty 78Y1544 3-year Mail-In warranty 78Y1547 1-year accidental damage protection via Mail-In 78Y1543 2-year accidental damage protection via Mail-In 78Y1545 3-year accidental damage protection via Mail-In 78Y1548 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 	
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor, external monitor support via analog VGA DB-15 connector														
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button													<ul style="list-style-type: none"> 30-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant 	
Touch pad	One-piece touch pad with two button function														
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm														
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)														
Case color	<i>Top</i> : black or red, with pattern <i>bottom</i> : black <i>Palm rest</i> : Gray														
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic														
Battery - type	Lithium Ion, 6-cell														
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr														
Chipset	Intel NM10 Express Chipset														
ExpressCard/34	None														
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)														
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)														
TV tuner	None														
PCIe Mini Card 11b/g/n ²⁸	Two PCI Express Mini Card slots														
Gobi™ 2000	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider														
Bluetooth™ Modem	Some: Bluetooth 2.1 wireless + EDR, LED indicator														
Ethernet	None														
Audio support	10/100 ethernet, RealTek® RTL8103EL High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated														
Security	Power-on password, supervisor password, hard disk password														
Fingerprint reader	None														

See footnotes for important warranty information

US model announced December 1, 2010; previous models on January 18 or October 20, 2010

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(MRA3-1) December 2010

Type-model	Processor	GHz	Memory	Widescreen display	Cam- era	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-29U	Atom N450	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	250GB ⁸	11b/g/n ²⁸	None	Black	None	6-cell	Starter	Jan 10

- *Lenovo's netbook: smaller and lighter than a notebook*
 - *10.1" widescreen, glossy display with LED backlight*
 - *Super-slim (starts at 0.6 inch thin)*
 - *Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face*
 - *OneKey™ Rescue System includes OneKey Recovery with press of recovery key*
 - *Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows*
 - *This system is Microsoft® Office 2010 Product Key Ready (O10PKR)*

Positioning Processor	<i>Netbook; consumer markets</i> Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache	Preloaded operating system ²⁰ - Genuine Windows® 7 Starter Edition
Memory	1GB std / 2GB max / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics:</i> standard memory 1GB in socket; no socket available	Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none"> Lenovo® OneKey Recovery McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® Windows Live™ Essential Lenovo ReadyComm Lenovo Energy Management Software Lenovo DirectShare VeriFace Quick Start Lenovo MapLife Microsoft Office 2010 preloaded; purchase product key to activate
Optical drive SATA disk	None 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™	
Widescreen display Camera	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 180 nits, 16:9 aspect ratio, 400:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor, external monitor support via analog VGA DB-15 connector	
Keyboard Touch pad	Full size keyboard, Fn keys, recovery key, Quick Start button One-piece touch pad with two button function	
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm	
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)	30-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Case color	Top: black, with pattern button: black Palm rest: Gray	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	Limited Warranty ¹²
Battery - type	Lithium Ion, 6-cell	<ul style="list-style-type: none"> 1-year warranty*: <ul style="list-style-type: none"> 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr	<ul style="list-style-type: none"> Mail In repair service Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> 2-year Mail-In warranty 78Y1544 3-year Mail-In warranty 78Y1547 1-year accidental damage protection via Mail-In 78Y1543 2-year accidental damage protection via Mail-In 78Y1545 3-year accidental damage protection via Mail-In 78Y1548
Chipset	Intel NM10 Express Chipset	
ExpressCard/34	None	
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card 11b/g/n ²⁸	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip	
WWAN	None	
Bluetooth™	None	
Modem	None	
Ethernet	10/100 ethernet, RealTek® RTL8103EL	
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated	
Security Fingerprint reader	Power-on password, supervisor password, hard disk password None	<ul style="list-style-type: none"> 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686

See footnotes for important warranty information
US model announced January 18, 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-2AU	Atom N455	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸		Black		6-cell	Starter	Jul 10
0647-2BU	Atom N455	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	250GB	11b/g/n		Black	Bluetooth	6-cell	Starter	Jul 10
0647-2EU	Atom N455	1.66	1GB	10.1" WSVGA	0.3M	GMA 3150	160GB	11b/g/n	Gobi2000	Black		6-cell	Starter	Jul 10

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- **These system are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Netbook; consumer markets</i> Intel® Atom™ Processor N455 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										Preloaded operating system²⁰ - Genuine Windows® 7 Starter Edition			
Memory	1GB std / 2GB max / PC3-10600 1333MHz DDR3* , non-parity, single-channel, one 204-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available * System automatically clocks down for processors with 667MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo MapLife • Microsoft Office 2010 preloaded; purchase product key to activate			
Optical drive SATA disk	None 160GB (5400 rpm) or 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™													
Widescreen display Camera	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 180 nits, 16:9 aspect ratio, 400:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus													
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor, external monitor support via analog VGA DB-15 connector													
Keyboard Touch pad	Full size keyboard, Fn keys, recovery key, Quick Start button One-piece touch pad with two button function													
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm													
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)													
Case color	Top: black; bottom: black Palm rest: Gray													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type Battery - life ¹⁰	Lithium Ion, 6-cell 3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr													
Chipset ExpressCard/34	Intel NM10 Express Chipset None										Limited Warranty¹²			
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card 11b/g/n ²⁸ Gobi™ 2000	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip Some: Wireless WAN, Qualcomm chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS, contract required with service provider													
Bluetooth™ Modem	None													
Ethernet	10/100 ethernet, RealTek® RTL8103EL													
Audio support	High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified													
Security Fingerprint reader	Power-on password, supervisor password, hard disk password None													

See footnotes for important warranty information
US models announced July 7, 2010

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(MRA3-3) October 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini card 802.11	PCIe Mini card WWAN	Top color	Bluetooth	Battery	Win7 preload	Avail date
0647-35U	Atom N455	1.66	1GBx1	10.1" WSVGA	0.3M	GMA 3150	250GB ⁸	11b/g/n ²⁸	None	Black	None	6-cell	Starter	Aug 10
0647-38U	Atom N455	1.66	1GBx1	10.1" WSVGA	0.3M	GMA 3150	250GB	11b/g/n	None	Black	Bluetooth	6-cell	Starter	Dec 10

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- **10.1" widescreen, glossy display with LED backlight**
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Positioning Processor	<i>Netbook; consumer markets</i> Intel® Atom™ Processor N455 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										Preloaded operating system²⁰ - Genuine Windows® 7 Starter Edition			
Memory	1GB std / 2GB max / PC3-10600 1333MHz DDR3* , non-parity, single-channel, one 204-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available * System automatically clocks down for processors with 667MHz DDR3 memory controller										Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo MapLife • Microsoft Office 2010 preloaded; purchase product key to activate			
Optical drive SATA disk	None 250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™													
Widescreen display Camera	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 180 nits, 16:9 aspect ratio, 400:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus													
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor, external monitor support via analog VGA DB-15 connector													
Keyboard Touch pad	Full size keyboard, Fn keys, recovery key, Quick Start button One-piece touch pad with two button function													
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.2"; 268mm x 168mm x 16-30.95mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.5"; 268mm x 168mm x 16-37.45mm													
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)													
Case color	Top: black; bottom: black Palm rest: Gray													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type Battery - life ¹⁰	Lithium Ion, 6-cell 3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr													
Chipset ExpressCard/34	Intel NM10 Express Chipset None										Limited Warranty¹²			
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)													
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card 11b/g/n ²⁸ WWAN	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip													
Bluetooth™ Modem	None Some: Bluetooth 2.1 wireless + EDR, LED indicator													
Ethernet	None													
Audio support	10/100 ethernet, RealTek® RTL8103EL High Definition (HD) Audio, RealTek ALC272 codec / stereo speakers (1.5 watt x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified													
Security	Power-on password, supervisor password, hard disk password													
Fingerprint reader	None													

See footnotes for important warranty information

☞ US model announced December 1, 2010; previous models on August 4, 2010

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(MRA3-4) December 2010

ideapad



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White



Lenovo IdeaPad S10-3s
White

Type-model	Processor	GHz	Memory	Widescreen display	Cam-era	Integrated graphics	SATA disk	PCIe Mini Card 802.11	PCIe Mini Card Top WWAN color	Bluetooth	Battery	Win7 preload	Avail date
0703-22U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸	None White	Bluetooth	6-cell	Starter	Apr 10

- **Lenovo's netbook: smaller and lighter than a notebook**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
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Memory	1GB std / 2GB max⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available										Preloaded applications¹⁴ (only some listed)											
Optical drive	None																					
SATA disk	160GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™																					
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio																					
Camera	Camera on top of screen, 1.3-megapixel, fixed focus																					
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor, external monitor support via analog VGA DB-15 connector																					
Keyboard	Full size keyboard, Fn keys, recovery key, Quick Start button																					
Touch pad	One-piece touch pad with two button function																					
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.1"; 270mm x 168mm x 16-28.5mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.4"; 270mm x 168mm x 16-34.3mm																					
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)																					
Case color	<i>Top</i> : white <i>bottom</i> : white <i>Palm rest</i> : white																					
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																					
Battery - type	Lithium Ion, 6-cell																					
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr																					
Chipset	Intel NM10 Express Chipset																					
ExpressCard/34	None																					
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)																					
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)																					
TV tuner	None																					
PCIe Mini Card 11b/g/n ²⁸	Two PCI Express Mini Card slots																					
WWAN	11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip																					
Bluetooth™	None																					
Modem	Bluetooth 2.1 wireless + EDR, LED indicator																					
Ethernet	None																					
Audio support	10/100 ethernet, Broadcom BCM57790 High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 W x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated																					
Security	Administrator password, hard disk password																					
Fingerprint reader	None																					
Limited Warranty¹²																						
⇒ 1-year warranty* :																						
* 1-year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter																						
⇒ Mail In repair service																						
⇒ Service upgrade options (in eligible locations):⁹																						
• 2-year Mail-In warranty 78Y1544																						
• 3-year Mail-In warranty 78Y1547																						
• 1-year accidental damage protection via Mail-In 78Y1543																						
• 2-year accidental damage protection via Mail-In 78Y1545																						
• 3-year accidental damage protection via Mail-In 78Y1548																						
⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686																						

See footnotes for important warranty information
US model announced April 28, 2010

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(MRA3S-2) June 2010

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	PCIe Mini Card Top WWAN color	Bluetooth	Battery	Win7 preload	Avail date
0703-32U	Atom N450	1.66	1GB	10.1" WSVGA	1.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸	None White	Bluetooth	3-cell	Starter	Apr 10

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Positioning Processor	<i>Netbook; consumer markets</i> Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz) Hyper-Threading Technology, and 512KB L2 cache										Preloaded operating system²⁰											
Memory	1GB std / 2GB max⁷ / PC2-5300 667MHz DDR2 , non-parity, single-channel, one 200-pin SO-DIMM socket; <i>Non-italics</i> : standard memory 1GB in socket; no socket available										Preloaded applications¹⁴ (only some listed)											
Optical drive SATA disk	None 160GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™										<ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo MapLife • Microsoft Office 2010 preloaded; purchase product key to activate 											
Widescreen display Camera	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 400:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus																					
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor, external monitor support via analog VGA DB-15 connector																					
Keyboard Touch pad	Full size keyboard, Fn keys, recovery key, Quick Start button One-piece touch pad with two button function																					
Dimensions ³	3-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.1"; 270mm x 168mm x 16-28.5mm 6-cell: (WxDxH): 10.6" x 6.6" x 0.6-1.4"; 270mm x 168mm x 16-34.3mm																					
Weight ²	3-cell: starting at 2.43 lb (1.1 kg) 6-cell: starting at 2.76 lb (1.25 kg)																					
Case color	Top: white bottom: white Palm rest: white																					
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																					
Battery - type	Lithium Ion, 3-cell																					
Battery - life ¹⁰	3-cell: up to 3.5 hr; 6-cell: up to 7.0 hr																					
Chipset ExpressCard/34	Intel NM10 Express Chipset																					
Multicard reader	None 5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)																					
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)																					
TV tuner	None																					
PCIe Mini Card 11b/g/n ²⁸ WWAN	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip																					
Bluetooth™ Modem	None Bluetooth 2.1 wireless + EDR, LED indicator																					
Ethernet	None																					
Audio support	10/100 ethernet, Broadcom BCM57790 High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (1.5 W x 2) / dual array microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certificated																					
Security	Administrator password, hard disk password																					
Fingerprint reader	None																					
See footnotes for important warranty information US model announced April 28, 2010																						
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Preloaded applications¹⁴ (only some listed)

- Lenovo® OneKey Recovery
- McAfee® VirusScan® Plus (60 days of virus definitions)
- Adobe® Reader®
- Windows Live™ Essential
- Lenovo ReadyComm
- Lenovo Energy Management Software
- Lenovo DirectShare
- VeriFace
- Quick Start
- Lenovo MapLife
- Microsoft Office 2010 preloaded; purchase product key to activate

30-watt AC adapter
Wireless on/off switch
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
RoHS-compliant

Limited Warranty¹²

- ☞ **1-year warranty*:**
 - * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter
- ☞ **Mail In repair service**
- ☞ **Service upgrade options (in eligible locations):⁹**
 - 2-year Mail-In warranty 78Y1544
 - 3-year Mail-In warranty 78Y1547
 - 1-year accidental damage protection via Mail-In 78Y1543
 - 2-year accidental damage protection via Mail-In 78Y1545
 - 3-year accidental damage protection via Mail-In 78Y1548
- ☞ **24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686**

ideapad



Lenovo IdeaPad S10-3t



Lenovo IdeaPad S10-3t
(4-cell model with Cosmic Night pattern)



Lenovo IdeaPad S10-3t
(4-cell model)



Lenovo IdeaPad S10-3t
(4-cell model)



Lenovo IdeaPad S10-3t
(4-cell model with Cosmic Wonder pattern)



Lenovo IdeaPad S10-3t
(4-cell model with Cosmic Wonder pattern)

Type-model	Processor	GHz	Memory	Widescreen display	Multi-touch screen	Camera	Integrated graphics	SATA disk	PCIe		Top color	Bluetooth	Battery	Win7 preload	Avail date
									Mini card	802.11					
0651-4FU	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	160GB ⁸	11b/g/n ²⁸	Cosmic Night	4-cell	Starter	Jan 10		
0651-4EU	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	160GB	11b/g/n	Cosmic Wonder	4-cell	Starter	Jan 10		
0651-3EU	N470	1.83	2GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night	Blue	4-cell	Prem 32	Jan 10	
0651-86U	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night	4-cell	Starter	Aug 10		
0651-95U	N470	1.83	2GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	320GB	11b/g/n	Cosmic Wonder	Blue	4-cell	Prem 32	Nov 10	
0651-99U	N475	1.83	2GB DDR3	10.1" WSVGA	Multi	1.3M	GMA 3150	320GB	11b/g/n	Cosmic Night	Blue	8-cell	Prem 32	Nov 10	

- **Tablet netbook features a multi-touch panel and a durable steel hinge supporting ±180 degree rotation**
 - **10.1" widescreen, glossy display with LED backlight**
 - **Super-slim (starts at 0.6 inch thin)**
 - **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
 - **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
 - **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
 - **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Tablet netbook; consumer markets</i> Intel® Atom™ Processor N450 or N470 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading technology, and 512KB L2 cache or Intel Atom Processor N475 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading Technology, and 512KB L2 cache	Preloaded operating system²⁰ <ul style="list-style-type: none"> - Some: Genuine Windows® 7 Starter Edition - Some: Genuine Windows® 7 Home Premium 32
Memory	1GB or 2GB std / 2GB max Some: PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, one 200-pin SO-DIMM socket; Some: PC3-10600 1333MHz DDR3¹ , non-parity, dual-channel capable, one 204-pin SO-DIMM socket; * System automatically clocks down for processors with 667MHz DDR3 memory controller	Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo VeriTouch • Lenovo Natural Touch • Microsoft® Research AutoCollage Touch (Home Premium only)
Optical drive SATA disk	None 160GB (5400 rpm), 250GB (5400 rpm), or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™	
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 180 nits, 16:9 aspect ratio, 400:1 contrast ratio, rotatable dual swivel hinge for tablet mode, support display auto rotation	
Touch screen type Camera	MultiTouch (touchscreen supports two-finger touch) Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor External monitor support via analog VGA DB-15 connector	
Keyboard Touch pad	Full size keyboard, Fn keys One-piece touch pad with two button function	
Dimensions ³	4-cell: (WxDxH): 11.0" x 6.9" x 0.6-1.1"; 280mm x 174mm x 15-27.6mm 8-cell: (WxDxH): 11.1" x 8.0" x 0.6-1.4"; 282mm x 202mm x 15-35.0mm	
Weight ²	4-cell: starting at 2.76 lb (1.25 kg) 8-cell: starting at 3.31 lb (1.50 kg)	
Case color	Top: black color with different pattern button: black Palm rest: White	30-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion, 4-cell or Hybrid 8-cell	Limited Warranty¹²
Battery - life ¹⁰	4-cell: up to 4 hr; 8-cell: up to 10 hr	
Chipset ExpressCard/34	Intel NM10 Express Chipset	
Multicard reader	None	
Ports	6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™) Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)	
TV tuner	None	
PCIe Mini Card 11b/g/n ²⁸	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip	
Bluetooth™ Modem	Some: Bluetooth 2.1 wireless + EDR, LED indicator None	
Ethernet	Gigabit ethernet, Broadcom 57780	
Audio support	High Definition (HD) Audio, Conexant® CX20582 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified	
Security Fingerprint reader	Power-on password, supervisor password, hard disk password, security keyhole None	

See footnotes for important warranty information

US models announced November 3, 2010; previous models on January 18 or August 4, 2010

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(CS2-1) November 2010

Type-model	Processor	GHz	Memory	Widescreen display	Multi-touch screen	Cam-era	Integrated graphics	SATA disk	PCIe Mini card 802.11	Top color	Blue-tooth	Battery	Win7 preload	Avail date
0651-37U	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB ⁸	11b/g/n ²⁸	Cosmic Night	None	8-cell	Starter	Jan 10
0651-85U	N450	1.66	1GB DDR2	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night	None	4-cell	Prem 32	Aug 10
0651-7HU	N455	1.66	1GB DDR3	10.1" WSVGA	Multi	1.3M	GMA 3150	250GB	11b/g/n	Cosmic Night	None	4-cell	Prem 32	Aug 10

- **Tablet netbook features a multi-touch panel and a durable steel hinge supporting ±180 degree rotation**
- **10.1" widescreen, glossy display with LED backlight**
- **Super-slim (starts at 0.6 inch thin)**
- **Integrated camera and Lenovo's VeriFace™ face recognition software helps control access to your notebook by recognizing your face**
- **OneKey™ Rescue System includes OneKey Recovery with press of recovery key**
- **Lenovo® Quick Start: Utility for quick access to Web, music, photos, chat, and Skype™ without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Tablet netbook; consumer markets</i> Intel® Atom™ Processor N450 with single-core, DMI (Direct Media Interface), integrated DDR2 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading technology, and 512KB L2 cache or Intel Atom Processor N455 with single-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 667MHz), integrated graphic controller, Hyper-Threading Technology, and 512KB L2 cache												Preloaded operating system²⁰ - Some: Genuine Windows® 7 Starter Edition - Some: Genuine Windows® 7 Home Premium 32												
Memory	1GB std / 2GB max / Some: PC2-5300 667MHz DDR2 , non-parity, dual-channel capable, one 200-pin SO-DIMM socket; Some: PC3-10600 1333MHz DDR3* , non-parity, dual-channel capable, one 204-pin SO-DIMM socket; * System automatically clocks down for processors with 667MHz DDR3 memory controller												Preloaded applications¹⁴ (only some listed) • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace • Quick Start • Lenovo VeriTouch • Lenovo Natural Touch • BumpTop™ • Microsoft® Research AutoCollage Touch (Home Premium only) • Microsoft Office 2010 preloaded; purchase product key to activate												
Optical drive	None																								
SATA disk	250GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, 2.5" platter, not removable, Active Protection System™																								
Widescreen display	10.1" (256.5mm) WSVGA (1024x600) TFT color, VibrantView (glossy); LED backlight , 180 nits, 16:9 aspect ratio, 400:1 contrast ratio, rotatable dual swivel hinge for tablet mode, support display auto rotation																								
Touch screen type	MultiTouch (touchscreen supports two-finger touch)																								
Camera	Camera on top of screen, 1.3-megapixel, fixed focus																								
Integrated graphics	Intel Graphics Media Accelerator 3150 (GMA 3150) , in processor External monitor support via analog VGA DB-15 connector																								
Keyboard Touch pad	Full size keyboard, Fn keys One-piece touch pad with two button function																								
Dimensions ³	4-cell: (WxDxH): 11.0" x 6.9" x 0.6-1.1"; 280mm x 174mm x 15-27.6mm 8-cell: (WxDxH): 11.1" x 8.0" x 0.6-1.4"; 282mm x 202mm x 15-35.0mm																								
Weight ²	4-cell: starting at 2.76 lb (1.25 kg) 8-cell: starting at 3.31 lb (1.50 kg)																								
Case color	Top: black color with different pattern bottom: black Palm rest: White																								
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																								
Battery - type	4-cell or Hybrid 8-cell																								
Battery - life ¹⁰	4-cell: up to 4 hr; 8-cell: up to 10 hr																								
Chipset	Intel NM10 Express Chipset																								
ExpressCard/34	None																								
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)																								
Ports	Two USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)																								
TV tuner	None																								
PCIe Mini Card 11b/g/n ²⁸	Two PCI Express Mini Card slots 11b/g/n wireless ⁴ , PCIe Mini Card adapter; Intel, Broadcom®, or Atheros chip																								
Bluetooth™	None																								
Modem	None																								
Ethernet	Gigabit ethernet, Broadcom 57780																								
Audio support	High Definition (HD) Audio, Conexant® CX20582 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), stereo headphone jack (3.5 mm), Dolby® Headphone™ certified																								
Security	Power-on password, supervisor password, hard disk password, security keyhole																								
Fingerprint reader	None																								
Limited Warranty¹²																									
⇒ 1-year warranty* : * 1- year on major electronic components (including battery), 90-day on keyboard, hinges, plastics, power cord, AC adapter																									
⇒ Mail In repair service																									
⇒ Service upgrade options (in eligible locations):⁹ • 2-year Mail-In warranty 78Y1544 • 3-year Mail-In warranty 78Y1547 • 1-year accidental damage protection via Mail-In 78Y1543 • 2-year accidental damage protection via Mail-In 78Y1545 • 3-year accidental damage protection via Mail-In 78Y1548																									
⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686																									

See footnotes for important warranty information

* US models announced August 4, 2010; previous models on January 18, 2010

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(CS2-2) August 2010

ideapad



Lenovo IdeaPad U160



Lenovo IdeaPad U160



Lenovo IdeaPad U160
black cover



Lenovo IdeaPad U160
red cover



Lenovo IdeaPad U160
red cover



Lenovo IdeaPad U160
red cover

Type-model	Processor	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date
0894-5JU	i5-520UM	1.06	1.86	4GB	11.6" HD	1.3M	Intel HD	320GB ⁸	11b/g/n ²⁸	Black	Bluetooth	6-cell	Prem 32
0894-55U	i7-640UM	1.20	2.26	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64
0894-59U	i7-640UM	1.20	2.26	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Red	Bluetooth	6-cell	Prem 64
0894-5KU	i5-470UM	1.33	1.86	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Red	Bluetooth	6-cell	Prem 64
0894-5LU	i5-470UM	1.33	1.86	4GB	11.6" HD	1.3M	Intel HD	500GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64
0894-5MU	i3-380UM	1.33		4GB	11.6" HD	1.3M	Intel HD	320GB	11b/g/n	Black	Bluetooth	6-cell	Prem 64

- Thin and light design for easy mobility
- 11.6" HD widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system with stereo speakers (1.5 watt x 2)
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p><i>Widescreen flexibility; one-spindle</i></p> <p>Intel® Core™ i3 processor i3-380UM with dual-core. DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or</p> <p>Intel Core i5 processor i5-470UM or i5-520UM with dual-core. DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, 3MB cache or</p> <p>Intel Core i7 processor i7-640UM with dual-core. DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 4MB cache</p>																							
Memory	<p>4GB std / 4GB max⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;</p> <p><i>Italics:</i> standard memory in both sockets; no sockets available</p>																							
Diskette drive	None																							
Optical drive	None																							
SATA disk	<p>320GB (5400 rpm) or 500GB (5400 rpm) /</p> <p>SATA 3.0Gb/s, 9.5mm high, Active Protection System™</p>																							
Widescreen display	<p>11.6" (294.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>																							
Camera	Camera on top of screen, 1.3-megapixel, fixed focus																							
Integrated graphics	<p>Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant</p>																							
Keyboard	Full-size keyboard, 6-row, multimedia Fn keys, recovery button																							
Light sensor	None																							
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch																							
Dimensions ³	<i>6-cell: (WxDxH): 11.4" x 7.6" x 0.89"; 290mm x 193mm x 22.5mm</i>																							
Weight ²	<i>6-cell: starting at 3.09 lb (1.4kg)</i>																							
Case color	<p><i>Top:</i> black or red top with texture;</p> <p><i>Bottom:</i> black or red bottom, color matches top color</p>																							
Case material	<p><i>Top:</i> Aluminum</p> <p><i>Bottom:</i> PC/ABS</p>																							
Battery - type	Lithium Ion, 6-cell																							
Battery - life ¹⁰	<i>6-cell: up to 7 hr</i>																							
Chipset	Mobile Intel HM55 Express Chipset																							
ExpressCard/34	None																							
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)																							
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																							
TV tuner	None																							
PCIe Mini Card	Two PCI Express Mini Card slots																							
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Broadcom® BCM4313 or Atheros® AR9285																							
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface																							
Modem	None																							
Ethernet	Gigabit ethernet, Atheros AR8131																							
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ certified / dual array microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)																							
Security	Administrator password, hard disk password, security keyhole																							
Fingerprint reader	None																							
Preloaded operating system²⁰ <ul style="list-style-type: none"> - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64 																								
Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate 																								
40-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant																								
Limited Warranty¹² <ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 																								

See footnotes for important warranty information

⇒ US models announced November 3, 2010; previous models on June 23, 2010

⇒ US models withdrawn effective November 2010

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(LUIT1-1) November 2010

ideapad



Lenovo IdeaPad U260
Clementine Orange cover



Lenovo IdeaPad U260



Lenovo IdeaPad U260
Mocha Brown cover



Lenovo IdeaPad U260
Mocha Brown cover



Lenovo IdeaPad U260
Clementine Orange cover



Lenovo IdeaPad U260
Mocha Brown cover

Type-model	Processor	Max turbo (GHz)	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Bluetooth	Battery	Win7 preload	Avail date	
0876-33U	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB ⁸	Intel 1000 ²⁸	Mocha	Bluetooth	4-cell	Prem 64	Nov 10
0876-32U	i3-380UM	1.33		4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Mocha	Bluetooth	4-cell	Prem 64	Nov 10
0876-34U	i5-470UM	1.33	1.86	4GB	12.5" HD	0.3M	Intel HD	320GB	Intel 1000	Orange	Bluetooth	4-cell	Prem 64	Nov 10

- Ultra slim and light design for easy mobility
- 12.5" HD widescreen, anti-glare display with LED backlight
- Breathable Keyboard, an spill-resistant keyboard that also dissipates heat through the keys
- Integrated 0.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system with stereo speakers (1 watt x 2)
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p>Widescreen flexibility; one-spindle</p> <p>Intel® Core™ i3 processor i3-380UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), 3MB cache or</p> <p>Intel Core i5 processor i5-470UM with dual-core, DMI, integrated DDR3 memory controller (up to 800MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</p>										Preloaded operating system²⁰ <ul style="list-style-type: none"> - Genuine Windows 7 Home Premium 64 Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo® OneKey Recovery • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live™ Essential • CyberLink YouCam • ooVoo™ • Lenovo ReadyComm • Lenovo Energy Management Software • Lenovo DirectShare • VeriFace™ • Lenovo Security Suite • Microsoft Office 2010 preloaded; purchase product key to activate 		
Memory	<p>4GB std / 4GB max⁷ / PC3-8500 1066MHz DDR3, non-parity, one 204-pin SO-DIMM socket</p>												
Diskette drive	None												
Optical drive	None												
SATA disk	<p>320GB (5400 rpm) / SATA 3.0Gb/s, 7mm high, 2.5" platter, Active Protection System™</p>												
Widescreen display	<p>12.5" (317.5mm) HD (WXGA 1366x768) TFT color, anti-glare, LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</p>												
Camera	Camera on top of screen, 0.3-megapixel, fixed focus												
Integrated graphics	<p>Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI connector, HDCP-compliant</p>												
Keyboard	Full-size keyboard, 6-row, spill-resistant, multimedia Fn keys, recovery button												
Light sensor	Ambient light sensor												
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch												
Dimensions ³	4-cell: (WxDxH): 12.5" x 8.1" x 0.71"; 318mm x 204.5mm x 18mm												
Weight ²	4-cell: starting at 3.04 lb (1.38kg)												
Case color	Top: Clementine Orange or Mocha Brown top; Bottom: Clementine Orange or Mocha Brown, color matches top color												
Case material	<p>Top: magnesium-aluminum alloy Bottom: magnesium-aluminum alloy</p>												
Battery - type	Lithium Polymer, 4-cell												
Battery - life ¹⁰	4-cell: up to 4 hr												
Chipset	Mobile Intel QS57 Express Chipset												
ExpressCard/34	None												
Multicard reader	None												
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)												
TV tuner	None												
PCIe Mini Card	One PCI Express Mini Card slot												
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card adapter, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless, internal USB 2.0 interface												
Bluetooth™	None												
Modem	None												
Ethernet	Gigabit ethernet, Atheros AR8151												
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1 watt x 2), Dolby® Advanced Audio™ certified / microphone, microphone input and headphone combo jack (3.5 mm)												
Security	Administrator password, hard disk password, security keyhole												
Fingerprint reader	None												
Limited Warranty¹² <ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 													

See footnotes for important warranty information
US models announced November 3, 2010

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ideapad



Lenovo IdeaPad U460/U460s



Lenovo IdeaPad U460/U460s



Lenovo IdeaPad U460/U460s
Black cover



Lenovo IdeaPad U460/U460s
Black cover



Lenovo IdeaPad U460/U460s
Midnight Plum cover



Lenovo IdeaPad U460/U460s

Type-model	Processor	Max turbo (GHz)	Max memory (GHz)	Widescreen display	Cam-era	Integrated graphics	SATA disk	PCIe Mini Card 802.11	Top color	Finger print reader	Blue-tooth	Battery	Win7 preload	Avail date
< 0877-23U	i3-350M	2.26	None	2GBx2	14.0" HD	1.3M	Intel HD	500GB ⁸	Intel 1000 ²⁸	Black	Fing	Blue	8-cell	Prem 64 Jul 10
0877-2CU	i3-370M	2.40	None	2GBx2	14.0" HD	1.3M	Intel HD	500GB	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem 64 Nov 10

- 14.0" HD widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ system with two stereo speakers
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning	<i>Widescreen flexibility; one-spindle</i>	Preloaded operating system ²⁰
Processor	Intel® Core™ i3-350M or i3-370M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache	<ul style="list-style-type: none"> • Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;	Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Windows Live™ Essential • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Lenovo DirectShare • Lenovo Security Suite • ooVoo™ • Microsoft Office 2010 preloaded; purchase product key to activate
Diskette drive	None	
SATA optical drive	None	
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Integrated graphics	Intel HD Graphics in processor, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Touch controls	Power plan button and mute button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.3" x 9.3" x 0.8-1.0"; 338mm x 235mm x 21-24.9mm	
Weight ²	8-cell: starting at 4.3 lb (1.95kg)	
Case color	Black top with square weave texture or Midnight Plum with hairline texture, black bottom, and silver palm rest	
Case material	<i>Top and palm rest:</i> PC/ABS with Aluminum cover; <i>bottom:</i> PC/ABS	
Battery - type	Lithium Ion 8-cell	65-watt AC adapter
Battery - life ¹⁰	8-cell: up to 6 hr	Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset	Mobile Intel HM55 Express Chipset	Limited Warranty ¹²
ExpressCard/34	None	<ul style="list-style-type: none"> ⇒ 1-year parts and labor
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	<ul style="list-style-type: none"> ⇒ Depot repair service¹⁹
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<ul style="list-style-type: none"> ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots, two full size and one half size	
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8131M	
Audio support	High Definition (HD) Audio, RealTek AD259 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	User password, supervisor password, hard disk password, security keyhole	
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor	

See footnotes for important warranty information

⇒ US model announced November 3, 2010; previous model on July 28, 2010

< US model withdrawn effective November 2010

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(URAL2-1) November 2010

Type-model	Pro-cessor	Max turbo GHz	Max turbo (GHz)	Memory	Widescreen display	Switchable graphics	SATA disk GB ⁸ /rpm	PCIe Mini Card 802.11	Top color	Finger print	Blue-reader	Blue-tooth	Battery	Win7 preload	Avail date
0877-22U	i5-450M	2.40	2.66	2GBx2	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000 ²⁸	Black	Fing	Blue	8-cell	Prem	64	Jul 10	
0877-2AU	i5-560M	2.66	3.20	2GBx2	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem	64	Nov 10	
0877-2BU	i5-460M	2.53	2.80	2GBx2	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000	Midnight Plum	Fing	Blue	8-cell	Prem	64	Nov 10	
0877-25U	i5-460M	2.53	2.80	2GBx2	14.0" HD Intel HD, GeF 305M	500 7200	Intel 1000	Black	Fing	Blue	8-cell	Prem	64	Dec 10	
0877-26U	i5-560M	2.66	3.20	4+2GB	14.0" HD Intel HD, GeF 305M	500 5400	Intel 1000	Black	Fing	Blue	8-cell	Prem	64	Dec 10	

- 14.0" HD widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ system with two stereo speakers
- HDMI port, HDCP-compliant
- Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; one-spindle Intel® Core™ i5 processor i5-450M, i5-460M, or i5-560M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ <ul style="list-style-type: none"> Genuine Windows® 7 Home Premium 64
Memory	4GB or 6GB std / 8GB max ⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;	Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none"> Lenovo™ OneKey Recovery Lenovo ReadyComm McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® Fingerprint Software Windows Live™ Essential CyberLink YouCam VeriFace™ Lenovo Energy Management Software Lenovo DirectShare Lenovo Security Suite ooVoo™ Microsoft Office 2010 preloaded; purchase product key to activate
Diskette drive	None	
SATA optical drive	None	
SATA disk	500GB (5400 rpm) or 500GB (7200 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus	
Switchable graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, Intel HD Graphics in processor, and NVIDIA® GeForce® 305M, PCI Express® x16, 512MB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Touch controls	GPU switch button, power plan button, and mute button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.3" x 9.3" x 0.8-1.0"; 338mm x 235mm x 21-24.9mm	
Weight ²	8-cell: starting at 4.3 lb (1.95kg)	
Case color	Black top with square weave texture or Midnight Plum with hairline texture, black bottom, and silver palm rest	65-watt AC adapter Wireless on/off switch EPEAT™ Silver rating ENERGY STAR® 5.0-compliant RoHS-compliant
Case material	Top and palm rest: PC/ABS with Aluminum cover; bottom: PC/ABS	
Battery - type	Lithium Ion 8-cell	
Battery - life ¹⁰	8-cell: up to 6 hr	
Chipset	Mobile Intel HM55 Express Chipset	Limited Warranty ¹²
ExpressCard/34	None	<ul style="list-style-type: none"> 1-year parts and labor
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	<ul style="list-style-type: none"> Depot repair service¹⁹
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<ul style="list-style-type: none"> Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> 1-year Onsite with accidental damage protection 78Y1533 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner	None	
PCIe Mini Card	Three PCIe Mini Card slots, two full size and one half size	
Intel 1000 ²⁸	11b/g/n wireless ⁴ , PCIe Mini Card, Intel Centrino® Wireless-N 1000, 1x2	
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	
Modem	None	
Ethernet	Gigabit ethernet, Atheros® AR8131M	
Audio support	High Definition (HD) Audio, RealTek AD259 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	User password, supervisor password, hard disk password, security keyhole	
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor	

See footnotes for important warranty information

⁷ US models announced December 1, 2010; previous models on July 28 or November 3, 2010

⁸ US model withdrawn effective November 2010

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Type-model	Processor	Max turbo GHz	Memory	Widescreen display	Cam-era	Switchable graphics	SATA disk	PCIe Mini Card 802.11	Top color	Finger print reader	Blue-tooth	Battery	Win7 preload	Avail date	
0885-25U	i3-330UM	1.20	None	2GBx2	14.0" HD	1.3M	Intel HD, GeF 305M	320GB ⁸	11b/g/n ²⁸	Black	Fing	Blue	8-cell	Prem 64	Jul 10
0885-26U	i3-330UM	1.20	None	2G+1G	14.0" HD	1.3M	Intel HD, GeF 305M	250GB	11b/g/n	Black	Fing	Blue	8-cell	Prem 32	Jul 10

- **14.0" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; one-spindle Intel® Core™ i3 processor i3-330UM with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 800MHz), Hyper-Threading technology and 3MB cache	Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64
Memory	3GB or 4GB std / 8GB max⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets;	Preloaded applications¹⁴ (only some listed) • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Windows Live™ Essential • CyberLink YouCam • VeriFace™ • Lenovo Energy Management Software • Lenovo DirectShare • Lenovo Security Suite • ooVoo™ • Microsoft Office 2010 preloaded; purchase product key to activate
Diskette drive	None	
SATA optical drive	None	
SATA disk	250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™	
Widescreen display Camera	14.0" (355.6mm) WXGA (1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus	
Switchable graphics	Switches between discrete and integrated graphics via graphics mode software Intel HD Graphics in processor, and NVIDIA® GeForce® 305M , PCI Express® x16, 512MB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, External monitor support via analog VGA DB-15 connector / digital HDMI connector	
Keyboard	Full-size keyboard, 6-row, Fn keys, recovery button	
Touch controls	GPU switch button, power plan button, and mute button	
Light sensor	Ambient light sensor	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	
Dimensions ³	(WxDxH): 13.3" x 9.3" x 0.8-1.0"; 338mm x 235mm x 21-24.9mm	
Weight ²	8-cell: starting at 4.3 lb (1.95kg)	
Case color	Black top with square weave texture, black bottom, and silver palm rest	
Case material	Top and palm rest: PC/ABS with Aluminum cover; bottom: PC/ABS	
Battery - type	Lithium Ion 8-cell	
Battery - life ¹⁰	8-cell: up to 8 hr	
Chipset	Mobile Intel HM55 Express Chipset	Limited Warranty¹²
ExpressCard/34	None	↳ 1-year parts and labor
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	↳ Depot repair service¹⁹
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↳ Service upgrade options (in eligible locations):⁹
TV tuner	None	• 1-year Onsite with accidental damage protection 78Y1533
PCIe Mini Card 11b/g/n ²⁸	Three PCIe Mini Card slots, two full size and one half size 11b/g/n wireless ⁴ , PCIe Mini Card, Broadcom® or Atheros® chip	• 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540
Bluetooth™	Bluetooth 2.1 wireless, internal USB 2.0 interface	• 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541
Modem	None	↳ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Ethernet	Gigabit ethernet, Atheros® AR8131M	
Audio support	High Definition (HD) Audio, RealTek AD259 codec / stereo speakers (1.5 watt x 2), Dolby® Advanced Audio™ system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)	
Security	User password, supervisor password, hard disk password, security keyhole	
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor	

See footnotes for important warranty information
US models announced July 28, 2010

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ideapad



Lenovo IdeaPad U550



Lenovo IdeaPad U550



Lenovo IdeaPad U550



Lenovo IdeaPad U550 cover



Lenovo IdeaPad U550



Lenovo IdeaPad U550
Lightweave pattern cover

Type-model	Processor	GHz	Memory	Widescreen display	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Fingerprint reader	Bluetooth	Battery	Win 7 preload	Avail date
3749-5EU	SU4100	1.30	3GB	15.6" HD	1.3M GMA 4500MHD	250GB ⁸	DVD±RW		Intel 5100 ²⁸	Black	Fing	Blue	6-cell	Prem 32 Oct 09
3749-54U	SU4100	1.30	4GB	15.6" HD	1.3M GMA 4500MHD	250GB	DVD±RW		Intel 5100	Black	Fing	Blue	6-cell	Prem 32 Oct 09
3749-59U	SU7300	1.30	4GB	15.6" HD	1.3M GMA 4500MHD	320GB	DVD±RW		Intel 5100	Black	Fing	6-cell	Prem 64 Oct 09	
3749-5BU	SU4100	1.30	3GB	15.6" HD	1.3M GMA 4500MHD	250GB	DVD±RW	11b/g ¹¹		Black	Fing	6-cell	Prem 32 Apr 10	

- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Sound Room™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Pentium® processor SU4100 with ultra low voltage, dual-core, 800MHz system bus, and 2MB L2 cache or Intel Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core, 800MHz system bus, and 3MB L2 cache										Preloaded operating system²⁰																	
Memory	3GB or 4GB std / 8GB max⁷ / PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available;										<ul style="list-style-type: none">- Some: Genuine Windows® 7 Home Premium 32- Some: Genuine Windows 7 Home Premium 64																	
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 250GB (5400 rpm) or 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, not removable										Preloaded applications¹⁴ (only some listed)																	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus										<ul style="list-style-type: none">• Lenovo™ OneKey Recovery• Lenovo ReadyComm• McAfee VirusScan® Plus (60 days of virus definitions)• Adobe® Reader®• Fingerprint Software• Easy Capture• Microsoft® Office 2007 Trial (60-day)• VeriFace™• Lenovo Energy Management Software• Cyberlink Power2Go (DVD±RW)																	
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, External monitor support via analog VGA DB-15 connector / digital HDMI connector; Maximum external resolution: 2048x1536@75Hz (VGA)																											
Keyboard Numeric keypad	Full-size keyboard, 6-row, multimedia Fn keys, recovery button																											
Light sensor Touch pad	Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch																											
Dimensions ³ Weight ²	(WxDxH): 14.8" x 9.9" x 0.9-1.2"; 377mm x 251mm x 24~29.4mm <i>6-cell:</i> starting at 5.3 lb (2.4kg)																											
Case color Case material	Black top with square weave texture, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																											
Battery - type Battery - life ¹⁰	Lithium Ion 6-cell <i>6-cell:</i> up to 6 hr																											
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)																											
ExpressCard/34 Multicard reader	None 4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)																											
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																											
TV tuner PCIe Mini Card 11b/g ¹¹ Intel 5100 ²⁸	None Two Mini PCI Express slots <i>Some:</i> 11b/g wireless ⁴ , PCIe Mini Card, Broadcom® BCM4312 <i>Some:</i> 11a/b/g/n wireless ⁴ , PCIe Mini Card, Intel WiFi Link 5100, 1x2 (Shirley Peak) <i>Some:</i> Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator																											
Bluetooth™ Modem Ethernet Audio support	None Gigabit ethernet, Atheros® AR8131 High Definition (HD) Audio, RealTek AD269 codec / two stereo speakers (1.5 watt), Dolby® Home Sound Room™ audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)																											
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader on palm rest, swipe sensor																											
Limited Warranty¹²																												
<ul style="list-style-type: none">⇒ 1-year parts and labor⇒ Depot repair service¹⁹⇒ Service upgrade options (in eligible locations):⁹<ul style="list-style-type: none">• 1-year Onsite with accidental damage protection 78Y1533• 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540• 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686																												

See footnotes for important warranty information

☞ US model announced April 7, 2010; previous models on October 22, 2009

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(URL2-1) April 2010

Type-model	Processor	Pro-GHz	Memory	Widescreen display	Cam-era	Switchable graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Finger print reader	Blue-tooth	Battery	Win 7 preload	Avail date	
3749-55U	SU7300	1.30	4GB	15.6"	HD	1.3M	GMA, HD4330	320GB ⁸	DVD±RW	Intel 5100 ²⁸	Black	Fing	Blue	6-cell	Prem 64 Oct 09

- **15.6" HD widescreen, glossy display with LED backlight**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Home Sound Room™ premium audio system with two stereo speakers**
- **HDMI port, HDCP-compliant**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey recovery and OneKey Antivirus without booting into Windows**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor SU7300 with ultra low voltage, dual-core , 800MHz system bus, and 3MB L2 cache										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64			
Memory	4GB std / 8GB max⁷ / PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets; <i>Italics:</i> standard memory in both sockets; no sockets available;										Preloaded applications¹⁴ (only some listed)			
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, not removable										<ul style="list-style-type: none"> • Lenovo™ OneKey Recovery • Lenovo ReadyComm • McAfee VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Fingerprint Software • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) 			
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy), LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus													
Switchable graphics	Dynamic switching between discrete and integrated graphics (user selectable), Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GS45, and ATI™ Mobility Radeon™ HD 4330 , PCI Express® x16, 512MB memory, DirectX® 10.1, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant													
Keyboard Numeric keypad Light sensor Touch pad	Full-size keyboard, 6-row, multimedia Fn keys, recovery button Numeric keypad on right of keyboard Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³ Weight ²	(WxDxH): 14.8" x 9.9" x 0.9-1.2"; 377mm x 251mm x 24~29.4mm 6-cell: starting at 5.3 lb (2.4kg)													
Case color Case material Battery - type Battery - life ¹⁰	Black top with square weave texture, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell 6-cell: Up to 4 hr (discrete graphics); up to 6 hr (integrated graphics)													
Chipset	Mobile Intel GS45 Express Chipset (Graphics Memory Controller Hub), 82801IUX-SFF I/O Controller Hub (ICH9M-SFF) (SATA 3Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)													
ExpressCard/34 Multicard reader	None 4-in-1 reader (MultiMedia Card, Memory Stick®, Memory Stick PRO™, Secure Digital Card)													
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Bluetooth 2.1 wireless, USB 2.0 interface via ICH9M, LED indicator None Gigabit ethernet, Atheros® AR8131 High Definition (HD) Audio, RealTek AD269 codec / two stereo speakers (1.5 watt), Dolby® Home Sound Room™ audio system / microphone, microphone input jack (3.5 mm), headphone jack (3.5 mm)													
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Fingerprint reader on palm rest, swipe sensor													

See footnotes for important warranty information
US model announced October 22, 2009

▪ Intel Centrino® 2 processor technology

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ideapad



Lenovo IdeaPad V460



Lenovo IdeaPad V460



Lenovo IdeaPad V460



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Lenovo IdeaPad V460

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Finger print reader	Blue-tooth	Win7 preload	Avail date	
< 0886-27U	i3-330M	2.13	None	4GB	14.0" HD	LED	1.3M	Intel HD	320GB ⁸	DVD±RW	Intel 1000	Black	Fing	Blue	Prem 64	Mar 10
0886-2PU	i3-370M	2.40	None	4GB	14.0" HD	LED	1.3M	Intel HD	320GB	DVD±RW	Intel 1000	Black	Fing	Blue	Prem 64	Dec 10

- 14.0" widescreen, glossy display with LED backlight
- Integrated 1.3 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64																	
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo Security Suite • USB Port Locker • BioExcess																	
Diskette drive	None																											
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in																											
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™																											
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio																											
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator																											
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector																											
Keyboard	Full-size keyboard, 6-row, recovery key																											
Touch controls	Touch-sensitive buttons for volume +/-, mute, and Lenovo Security Suite																											
Light sensor	None																											
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)																											
Dimensions ³	(WxDxH): 13.4" x 9.2" x 0.8" to 1.3"; 340mm x 234.6mm x 20.2mm to 32.9mm with optical drive and battery: 6-cell: 4.85 lb (2.2 kg)																											
Weight ²	Black top, black bottom																											
Case color	<i>Top and palm rest:</i> Aluminum																											
Case material	<i>Bottom:</i> Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																											
Battery - type	Lithium Ion 6-cell																											
Battery - life ¹⁰	Up to 4 hr																											
Chipset	Mobile Intel HM55 Express Chipset																											
ExpressCard/34	One slot (ExpressCard/34)																											
Multicard reader	4-in-1 reader (MMC, Memory Stick PRO™, Secure Digital Card, SDHC Card)																											
Ports	Three USB 2.0, external monitor (VGA DB-15), ethernet (RJ-45)																											
TV tuner	None																											
PCIe Mini Card	Two PCIe Mini Card slots																											
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2																											
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface																											
Modem	None																											
Ethernet	Gigabit ethernet, Atheros® AR8131, PCIe x1																											
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)																											
Security	Power-on password, hard disk password, supervisor password, security lockhole																											
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor																											
Limited Warranty¹²																												
• 1-year parts and labor																												
• Depot repair service ¹⁹																												
• Service upgrade options (in eligible locations): ⁹																												
• 1-year Lenovo Onsite Repair ¹³ 78Y1532																												
• 1-year Onsite with accidental damage protection 78Y1533																												
• 2-year Lenovo Onsite Repair ¹³ 78Y1536																												
• 3-year Lenovo Depot Repair 78Y1538																												
• 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686																												

See footnotes for important warranty information

☞ US model announced December 1, 2010; previous model on March 24, 2010

☒ US model withdrawn effective December 2010

Type-model	Processor	Max turbo GHz	Max turbo (GHz)	Widescreen Memory display	CCFL or LED	Switchable graphics	SATA disk GB ⁸ /rpm	SATA optical	PCIe Mini Card 802.11	Top color	Finger print reader	Win7 preload	Avail date
0886-26U	i5-430M	2.26	2.53	4GB	14.0" HD	LED Intel HD, GF 310M 512MB	320GB 5400	DVD±RW	Intel 1000	Black	Fing	Prem	64 Mar 10
0886-2MU	i5-560M	2.66	3.20	4GB	14.0" HD	LED Intel HD, GF 310M 1GB	500GB 7200	DVD±RW	Intel 1000	Black	Fing	Prem	64 Dec 10
0886-2NU	i5-460M	2.53	2.80	4GB	14.0" HD	LED Intel HD, GF 310M 512MB	500GB 5400	DVD±RW	Intel 1000	Black	Fing	Prem	64 Dec 10

- 14.0" widescreen, glossy display with LED backlight
- Dynamic switching between discrete and integrated graphics (user selectable)
- Integrated 1.3 megapixel camera
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- Fingerprint reader for easy and secure login
- BioExcess provides a convenient way to quickly encrypt or decrypt files, switch accounts, and manage password
- USB Port Locker prevents unauthorized access by requiring fingerprint scan to unlock
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5 processor i5-430M, i5-460M, or i5-560M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache												Preloaded operating system ²⁰				
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available												Preloaded applications ¹⁴ (only some listed)				
Diskette drive	None												• Genuine Windows® 7 Home Premium 64 • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo Security Suite • USB Port Locker • BioExcess				
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in																
SATA disk	320GB (5400 rpm), 500GB (5400 rpm), or 500GB (7200 rpm) / SATA 3.0Gb/s, 9.5mm high, Active Protection System™																
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio												• Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator				
Camera	Switches between discrete and integrated graphics via graphic switch Intel HD Graphics in processor, and NVIDIA® GeForce® 310M , PCI Express x16, 512MB or 1GB memory, DirectX 10.1, PureVideo® HD technology, CUDA™ technology, VGA, HDMI, HDCP-compliant																
Keyboard	Full-size keyboard, 6-row, recovery key												65-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant				
Touch controls	Touch-sensitive buttons for volume +/-, mute, and Lenovo Security Suite																
Light sensor	None													Limited Warranty ¹²			
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)																
Dimensions ³	(WxDxH): 13.4" x 9.2" x 0.8" to 1.3"; 340mm x 234.6mm x 20.2mm to 32.9mm													• 1-year parts and labor • Depot repair service ¹⁹ • Service upgrade options (in eligible locations): ⁹			
Weight ²	with optical drive and battery: 6-cell : 4.85 lb (2.2 kg)																
Case color	Black top, black bottom													• 1-year Lenovo Onsite Repair ¹³ 78Y1532			
Case material	Top and palm rest: Aluminum Bottom: Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																
Battery - type	Lithium Ion 6-cell												• 1-year Onsite with accidental damage protection 78Y1533				
Battery - life ¹⁰	Up to 4 hr																
Chipset	Mobile Intel HM55 Express Chipset												• 2-year Lenovo Onsite Repair ¹³ 78Y1536				
ExpressCard/34	One slot (ExpressCard/34)																
Multicard reader	4-in-1 reader (MMC, Memory Stick PRO™, Secure Digital Card, SDHC Card)													• 3-year Lenovo Depot Repair 78Y1538			
Ports	Three USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																
TV tuner	None													• 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686			
PCIe Mini Card	Two PCIe Mini Card slots																
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2																
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface																
Modem	None																
Ethernet	Gigabit ethernet, Atheros® AR8131, PCIe x1																
Audio support	High Definition (HD) Audio, RealTek® ALC269 codec / stereo speakers (1.5 watt x 2) / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)																
Security	Power-on password, hard disk password, supervisor password, security lockhole																
Fingerprint reader	Fingerprint reader on palm rest, swipe sensor																

See footnotes for important warranty information

US models announced December 1, 2010; previous model on March 24, 2010

US model withdrawn effective December 2010

ideapad



Lenovo IdeaPad Y460



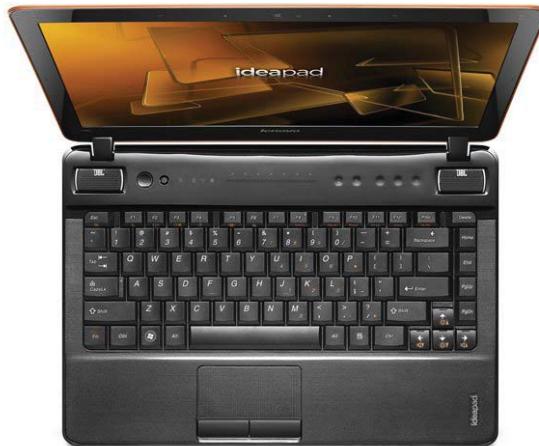
Lenovo IdeaPad Y460



Lenovo IdeaPad Y460



Lenovo IdeaPad Y460



Lenovo IdeaPad Y460



Lenovo IdeaPad Y460

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
0633-47U	i3-330M	2.13	4GB	14.0" HD	LED	1.3M	Intel HD	320GB ⁸	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Mar 10
0633-4DU	i3-350M	2.26	4GB	14.0" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 10
0633-4FU	i3-370M	2.40	4GB	14.0" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 64	Nov 10
0633-4EU	i3-370M	2.40	3GB	14.0" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000	Black	Bluetooth	Prem 32	Dec 10

- 14.0" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M, i3-350M, or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache										Preloaded operating system ²⁰ <ul style="list-style-type: none"> - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64 			
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;										Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav 			
Diskette drive	None													
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in													
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator													
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, recovery key													
Touch controls	Lenovo SlideNav bar, Power on, OneKey Theater, and Energy Management keys													
Light sensor	Ambient light sensor													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	(WxDxH): 13.4" x 9.3" x 0.8" to 1.3"; 340mm x 235mm x 20mm to 32.8mm with optical drive and battery: 6-cell: 4.71 lb (2.1 kg)													
Weight ²														
Case color	Black top with engraved pattern, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 4 hr													
Chipset	Mobile Intel HM55 Express Chipset													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCIe Mini Card slots													
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2													
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator													
Modem	None													
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)													
Security	Power-on password, hard disk password, supervisor password, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information

US model announced December 1, 2010; previous models on February 16 or November 3, 2010

US model withdrawn effective November 2010

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|--|---------|
| ↳ 1-year parts and labor | 78Y1532 |
| ↳ Depot repair service ¹⁹ | 78Y1533 |
| ↳ Service upgrade options (in eligible locations): ⁹ | |
| • 1-year Lenovo Onsite Repair ¹³ | 78Y1532 |
| • 1-year Onsite with accidental damage protection | 78Y1533 |
| • 2-year Lenovo Onsite Repair ¹³ | 78Y1536 |
| • 3-year Lenovo Depot Repair | 78Y1538 |
| ↳ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686 | |

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Switchable graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0633-42U	i3-330M	2.13	4GB	14.0" WXGA	LED	1.3M	Intel HD, HD 5650	500GB ⁸	DVD±RW	Intel 1000	Black	None	Prem 64	Mar 10	
0633-44U	i5-430M	2.26	2.53	4GB	14.0" WXGA	LED	1.3M	Intel HD, HD 5650	500GB	DVD±RW	Intel 1000	Black	None	Prem 64	Mar 10
<ul style="list-style-type: none"> • 14.0" widescreen, glossy display with LED backlight • Dynamic switching between discrete and integrated graphics (user selectable) • Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar • Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face • Touch pad supports multi-touch function (pinch, expansion, chiral motion) • Dolby® Home Theater® premium audio system with two JBL® stereo speakers • Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions • Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows • OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode • These systems are Microsoft® Office 2010 Product Key Ready (O10PKR) 															
<p>Positioning</p> <p>Processor</p> <p>Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-430M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</p> <p>Memory</p> <p>4GB std / 8GB max⁹; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available</p> <p>Diskette drive</p> <p>SATA DVD±RW</p> <p>SATA disk</p> <p>Widescreen display</p> <p>Camera</p> <p>Switchable graphics</p> <p>Keyboard</p> <p>Touch controls</p> <p>Light sensor</p> <p>Touch pad</p> <p>Dimensions³</p> <p>Weight²</p> <p>Case color</p> <p>Case material</p> <p>Battery - type</p> <p>Battery - life¹⁰</p> <p>Chipset</p> <p>ExpressCard/34</p> <p>Multicard reader</p> <p>Ports</p> <p>TV tuner</p> <p>PCIe Mini Card</p> <p>Intel 1000</p> <p>Bluetooth™</p> <p>Modem</p> <p>Ethernet</p> <p>Audio support</p> <p>Security</p> <p>Fingerprint reader</p>															
<p>Preloaded operating system²⁰</p> <ul style="list-style-type: none"> - Genuine Windows® 7 Home Premium 64 <p>Preloaded applications¹⁴ (only some listed)</p> <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav <p>90-watt AC adapter</p> <p>Wireless on/off switch</p> <p>EPEAT™ Gold rating</p> <p>ENERGY STAR® 5.0-compliant</p> <p>RoHS-compliant</p> <p>Limited Warranty¹²</p> <ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 															

See footnotes for important warranty information

US models announced March 11, 2010

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(GL1-3) March 2010

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Switchable graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Available date
0633-46U	i5-520M	2.40	2.93	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	500GB ⁸	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0633-4GU	i5-460M	2.53	2.80	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0633-4HU	i5-560M	2.66	3.20	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	500GB	Blu-ray	Intel 1000	Black	Blue	Prem 64	Nov 10
0633-4JU	i5-460M	2.53	2.80	4GB	14.0" HD	LED	1.3M Intel HD, HD 5650	750GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
<ul style="list-style-type: none"> 14.0" widescreen, glossy display with LED backlight Dynamic switching between discrete and integrated graphics (user selectable) Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face Touch pad supports multi-touch function (pinch, expansion, chiral motion) Dolby® Home Theater® premium audio system with two JBL® stereo speakers Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode These systems are Microsoft® Office 2010 Product Key Ready (O10PKR) 														
Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5 processor i5-460M, i5-520M, or i5-560M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache											Preloaded operating system²⁰		
Memory	4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available											Preloaded applications¹⁴ (only some listed)		
Diskette drive	None											<ul style="list-style-type: none"> Genuine Windows® 7 Home Premium 64 Lenovo OneKey Recovery Lenovo ReadyComm ooVoo™ McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® Windows Live Essential CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW) Media Show Lenovo DirectShare Lenovo SlideNav 		
SATA optical	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in													
SATA disk	500GB (5400 rpm) or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display	14.0" (355.6mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator													
Switchable graphics	Switches between discrete and integrated graphics via graphic switch Intel HD Graphics in processor, and ATI™ Mobility Radeon™ HD 5650, PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, recovery key													
Touch controls	Lenovo SlideNav bar, Power on, OneKey Theater, and Energy Management keys, mute, volume up, volume down buttons													
Light sensor	Ambient light sensor													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	(WxDxH): 13.4" x 9.3" x 0.8" to 1.3": 340mm x 235mm x 20mm to 32.8mm with optical drive and battery: 6-cell: 4.85lb (2.2 kg)													
Weight ²														
Case color	Black top with engraved pattern, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 3.5 hr													
Chipset	Mobile Intel HM55 Express Chipset													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Two PCIe Mini Card slots													
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator													
Bluetooth™	None													
Modem	Gigabit ethernet, Broadcom® BCM57780, PCIe x1													
Ethernet	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)													
Audio support	Power-on password, hard disk password, supervisor password,, security lockhole													
Security	Fingerprint reader None													
Limited Warranty¹² <ul style="list-style-type: none"> 1-year parts and labor Depot repair service¹⁹ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> 1-year Lenovo Onsite Repair¹³ 78Y1532 1-year Onsite with accidental damage protection 78Y1533 2-year Lenovo Onsite Repair¹³ 78Y1536 3-year Lenovo Depot Repair 78Y1538 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 														

See footnotes for important warranty information

US model announced December 1, 2010; previous models on February 16 or November 3, 2010

US model withdrawn effective November 2010

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ideapad



Lenovo IdeaPad Y560



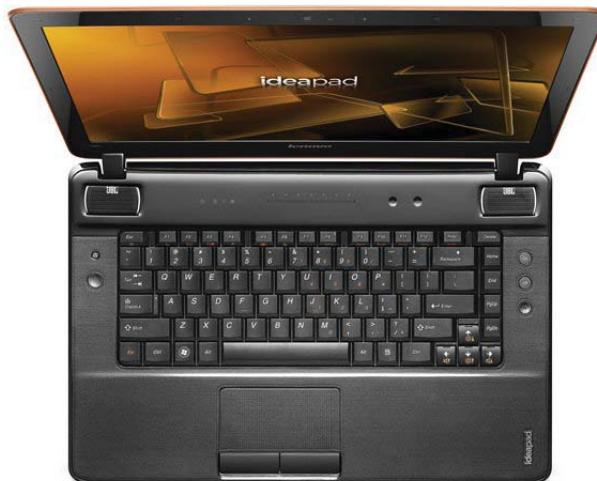
Lenovo IdeaPad Y560



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560



Lenovo IdeaPad Y560

Type-model	Processor	Max turbo GHz	Memory (MHz)	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk GB ⁸ /rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0646-55U	i3-370M	2.40	2GBx2	1066	15.6" HD	LED	1.3M Intel HD	500GB 5400	DVD±RW	11b/g/n ²⁸	Black	None	Prem 64	Aug 10	
0646-53U	i5-460M	2.53	2.80	2GBx2	1066	15.6" HD	LED	1.3M Intel HD	500GB 5400	DVD±RW	11b/g/n	Black	None	Prem 64	Aug 10
0646-52U	i5-460M	2.53	2.80	4+2GB	1066	15.6" HD	LED	1.3M Intel HD	500GB 5400	DVD±RW	11b/g/n	Black	None	Prem 64	Aug 10

- **15.6" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-370M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-460M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache												Preloaded operating system²⁰	
Memory	4GB or 6GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets												Preloaded applications¹⁴ (only some listed)	
Diskette drive	None												<ul style="list-style-type: none">• Genuine Windows® 7 Home Premium 64• Lenovo OneKey Recovery• Lenovo ReadyComm• ooVoo™• McAfee® VirusScan® Plus (60 days of virus definitions)• Adobe® Reader®• Windows Live Essential• CyberLink YouCam• Microsoft Office 2010 preloaded; purchase product key to activate• VeriFace™• Lenovo Energy Management Software• Cyberlink Power2Go (DVD±RW)• Media Show• Lenovo DirectShare• Lenovo SlideNav	
SATA optical	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in													
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio												65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator													
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant												Limited Warranty¹²	
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons													
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys													
Light sensor	Ambient light sensor													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: 6-cell: 5.95lb (2.7 kg)													
Weight ²														
Case color	Black top with engraved pattern, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 4 hr													
Chipset	Mobile Intel HM55 Express Chipset													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Three PCIe Mini Card slots													
11b/g/n ²⁸	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip													
Bluetooth™	None													
Modem	None													
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1													
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)													
Security	Power-on password, hard disk password, supervisor password,, security lockhole													
Fingerprint reader	None													

See footnotes for important warranty information
US models announced August 25, 2010

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(HWI1-5) August 2010

IdeaPad™ Y560 (0646) - Switchable (Windows 7) - web only models

Personal Systems Reference (PSREF)

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Switchable graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0646-26U	i5-520M	2.40	2.93	4GB	15.6" HD	LED	1.3M Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-27U	i5-430M	2.26	2.53	4GB	15.6" HD	LED	1.3M Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-28U	i3-330M	2.13		4GB	15.6" HD	LED	1.3M Intel HD, HD 5730	320GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-59U	i3-370M	2.40		4GB	15.6" HD	LED	1.3M Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5AU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M Intel HD, HD 5730	500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5EU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M Intel HD, HD 5730	750GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
<ul style="list-style-type: none"> • 15.6" widescreen, glossy display with LED backlight • Dynamic switching between discrete and integrated graphics (user selectable) • Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar • Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face • Touch pad supports multi-touch function (pinch, expansion, chiral motion) • Dolby® Home Theater® premium audio system with two JBL® stereo speakers • Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions • Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows • OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode • These systems are Microsoft® Office 2010 Product Key Ready (O10PKR) 														
Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i></p> <p>Intel® Core™ i3 processor i3-330M or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache</p> <p>Intel Core i5 processor i5-430M, i5-460M, or i5-520M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</p>												Preloaded operating system ²⁰	
Memory	<p>4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p><i>Italics:</i> standard memory in both sockets; no sockets available</p>												Preloaded applications ¹⁴ (only some listed)	
Diskette drive	None												<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav 	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in													
SATA disk	320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio													
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator													
Switchable graphics	Switches between discrete and integrated graphics via graphic switch Intel HD Graphics in processor, and ATI™ Mobility Radeon™ HD 5730 , PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant													
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons													
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys													
Light sensor	Ambient light sensor													
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch													
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: 6-cell: 5.95lb (2.7 kg)													
Weight ²														
Case color	Black top with engraved pattern, black bottom													
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic													
Battery - type	Lithium Ion 6-cell													
Battery - life ¹⁰	Up to 3.5 hr													
Chipset	Mobile Intel HM55 Express Chipset													
ExpressCard/34	One slot (ExpressCard/34)													
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)													
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)													
TV tuner	None													
PCIe Mini Card	Three PCIe Mini Card slots													
Intel 1000	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator													
Bluetooth™	None													
Modem	Gigabit ethernet, Broadcom® BCM57780, PCIe x1													
Ethernet	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)													
Audio support	Power-on password, hard disk password, supervisor password, security lockhole													
Security	Fingerprint reader													
Fingerprint reader	None													
Limited Warranty¹² <ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 														

See footnotes for important warranty information

⇒ US model announced December 1, 2010; previous model on February 16 or November 3, 2010

⇒ US models withdrawn effective November 2010

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(HWI1-1) December 2010

Type-model	Processor	Max turbo GHz (GHz)	Memory (MHz)	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0646-54U	i7-740QM	1.73	2.93	2GBx2	1333	15.6" HD	LED	1.3M HD 5730	500GB 5400	DVD±RW	11b/g/n ²⁸	Black	None	Prem 64	Aug 10
0646-56U	i7-740QM	1.73	2.93	4+2GB	1333	15.6" HD	LED	1.3M HD 5730	640GB 5400	Blu-ray	11b/g/n	Black	None	Prem 64	Aug 10

- 15.6" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle Intel® Core™ i7 processor i7-740QM with quad-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache</i>											Preloaded operating system²⁰																
Memory	<i>4GB or 6GB std / 8GB max⁷; PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</i>											Preloaded applications¹⁴ (only some listed)																
Diskette drive	None											<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo DirectShare • Lenovo SlideNav 																
SATA optical	None																											
SATA disk	<i>500GB (5400 rpm) or 640GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high</i>																											
Widescreen display	<i>15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio</i>																											
Camera	<i>Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator</i>																											
Discrete graphics	<i>ATI™ Mobility Radeon™ HD 5730, PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant</i>																											
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons																											
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys																											
Light sensor	Ambient light sensor																											
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch																											
Dimensions ³	<i>(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: 6-cell: 5.95lb (2.7 kg)</i>																											
Weight ²	<i>Black top with engraved pattern, black bottom</i>																											
Case color	<i>Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic</i>																											
Battery - type	<i>Lithium Ion 6-cell</i>																											
Battery - life ¹⁰	<i>Up to 3 hr</i>																											
Chipset	Mobile Intel HM55 Express Chipset																											
ExpressCard/34	<i>One slot (ExpressCard/34)</i>																											
Multicard reader	<i>6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)</i>																											
Ports	<i>Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)</i>																											
TV tuner	None																											
PCIe Mini Card	<i>11b/g/n²⁸, 11b/g/h wireless⁴, PCIe Half Mini Card, Broadcom® chip or Atheros® chip</i>																											
Bluetooth™	None																											
Modem	None																											
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1																											
Audio support	<i>High Definition (HD) Audio, RealTek® ALC272 codec / JBL stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)</i>																											
Security	Power-on password, hard disk password, supervisor password, security lockhole																											
Fingerprint reader	None																											
Limited Warranty¹²																												
<ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 																												

See footnotes for important warranty information
US models announced August 25, 2010

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(HWI1-4) August 2010

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display or LED	CCFL	Switchable graphics	SATA disk	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0646-23U	i3-330M	2.13	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB ⁸		DVD±RW	Intel 1000 ²⁸	Black	None	Prem 64	Mar 10	
0646-22U	i5-430M	2.26	2.53	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB		DVD±RW	Intel 1000	Black	None	Prem 64	Mar 10
0646-2YU	i5-460M	2.80	4GB	15.6" HD	LED	Intel HD, HD 5730	500GB	32GB	Blu-ray	11b/g/n ²⁸	Black	None	Prem 64	Aug 10	

- 15.6" widescreen, glossy display with LED backlight
- Dynamic switching between discrete and integrated graphics (user selectable)
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<p>Widescreen flexibility; two-spindle</p> <p>Intel® Core™ i3 processor i3-330M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or</p> <p>Intel Core i5 processor i5-430M or i5-460M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</p>												Preloaded operating system ²⁰													
Memory	<p>4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets</p> <p><i>Italics:</i> standard memory in both sockets; no sockets available</p>												Preloaded applications ¹⁴ (only some listed)													
Diskette drive	None												Lenovo OneKey Recovery Lenovo ReadyComm ooVoo™ McAfee® VirusScan® Plus (60 days of virus definitions) Adobe® Reader® Windows Live Essential CyberLink YouCam Microsoft Office 2010 preloaded; purchase product key to activate VeriFace™ Lenovo Energy Management Software Cyberlink Power2Go (DVD±RW) Media Show Lenovo DirectShare Lenovo SlideNav													
SATA optical	<p><i>Some:</i> DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in</p> <p><i>Some:</i> Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in</p>																									
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high																									
mSATA™ SSD	<i>Some:</i> 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot																									
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio																									
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator																									
Switchable graphics	<p>Switches between discrete and integrated graphics via graphic switch</p> <p>Intel HD Graphics in processor, and</p> <p>ATI™ Mobility Radeon™ HD 5730, PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant</p>																									
Keyboard	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons																									
Touch controls	Lenovo SlideNav bar, OneKey Theater and Energy Management keys																									
Light sensor	Ambient light sensor																									
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch																									
Dimensions ³	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: 6-cell: 5.95 lb (2.7 kg)																									
Weight ²																										
Case color	Black top with engraved pattern, black bottom																									
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																									
Battery - type	Lithium Ion 6-cell																									
Battery - life ¹⁰	Up to 3.5 hr																									
Chipset	Mobile Intel HM55 Express Chipset																									
ExpressCard/34	One slot (ExpressCard/34)																									
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)																									
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																									
TV tuner	None																									
PCIe Mini Card	Three PCIe Mini Card slots																									
Intel 1000 ²⁸	<i>Some:</i> 11b/g/n wireless ³ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2																									
11b/g/n ²⁸	<i>Some:</i> 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros® chip																									
Bluetooth™	None																									
Modem	None																									
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1																									
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)																									
Security	Power-on password, hard disk password, supervisor password, security lockhole																									
Fingerprint reader	None																									
														Limited Warranty¹²												
														↳ 1-year parts and labor												
														Depot repair service ¹⁹												
														Service upgrade options (in eligible locations): ⁹												
														• 1-year Lenovo Onsite Repair ¹³ 78Y1532												
														• 1-year Onsite with accidental damage protection 78Y1533												
														• 2-year Lenovo Onsite Repair ¹³ 78Y1536												
														• 3-year Lenovo Depot Repair 78Y1538												
														↳ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686												

See footnotes for important warranty information

* US model announced August 25, 2010; previous models on March 11, 2010

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(HWI1-3) August 2010

Type-model	Processor	Max turbo GHz (GHz)	Memory (MHz)	Widescreen or display	CCFL	Discrete graphics	SATA disk GB ⁸ rpm	mSATA SSD	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0646-2AU	i7-720QM	1.60	2.80	2GBx2	1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Mar 10
0646-58U	i7-740QM	1.73	2.93	4GBx1	1333	15.6" HD	LED	HD 5730	500GB 7200	32GB Blu-ray	Intel 6200	Black	Blue	Prem 64	Nov 10
0646-5BU	i7-740QM	1.73	2.93	2GBx2	1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5CU	i7-740QM	1.73	2.93	4GBx2	1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5DU	i7-740QM	1.73	2.93	4+2GB	1333	15.6" HD	LED	HD 5730	750GB 5400	DVD±RW	Intel 1000	Black	Blue	Prem 64	Nov 10
0646-5GU	i7-740QM	1.73	2.93	4+2GB	1333	15.6" HD	LED	HD 5730	500GB 7200	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10

- 15.6" widescreen, glossy display with LED backlight
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning	Widescreen flexibility; two-spindle	Preloaded operating system ²⁰
Processor	Intel® Core™ i7 processor i7-720QM or i7-740QM with quad-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache	- Genuine Windows® 7 Home Premium 64
Memory	4GB, 6GB, or 8GB std / 8GB max ⁹ ; PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets	Preloaded applications ¹⁴ (only some listed)
Diskette drive	None	• Lenovo OneKey Recovery
SATA optical	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	• Lenovo ReadyComm
SATA disk	Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in	• ooVoo™
mSATA™ SSD	500GB (7200 rpm) or 750GB (5400 rpm)/ SATA 3.0Gb/s, 9.5mm high	• McAfee® VirusScan® Plus (60 days of virus definitions)
Widescreen display	Some: 32GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot	• Adobe® Reader®
Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight, 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	• Windows Live Essential
Discrete graphics	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	• CyberLink YouCam
Keyboard	ATI™ Mobility Radeon™ HD 5730, PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant	• Microsoft Office 2010 preloaded; purchase product key to activate
Touch controls	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons	• VeriFace™
Light sensor	Lenovo SlideNav bar, OneKey Theater and Energy Management keys	• Lenovo Energy Management Software
Touch pad	Ambient light sensor	• Cyberlink Power2Go (DVD±RW)
Dimensions ³	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch	• Media Show
Weight ²	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: 6-cell: 5.95lb (2.7 kg)	• Lenovo DirectShare
Case color	Black top with engraved pattern, black bottom	• Lenovo SlideNav
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3 hr	
Chipset	Mobile Intel HM55 Express Chipset	120-watt AC adapter
ExpressCard/34	One slot (ExpressCard/34)	Wireless on/off switch
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)	EPEAT™ Gold rating
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	ENERGY STAR® 5.0-compliant
TV tuner	None	RoHS-compliant
PCIe Mini Card	Three PCIe Mini Card slots	
Intel 1000 ²⁸	Some: 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2	Limited Warranty ¹²
Intel 6200 ²⁸	Some: 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino Advanced-N 6200, 2x2	• 1-year parts and labor
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator	• Depot repair service ¹⁹
Modem	None	• Service upgrade options (in eligible locations): ⁹
Ethernet	Gigabit ethernet, Broadcom® BCM57780, PCIe x1	• 1-year Lenovo Onsite Repair ¹³ 78Y1532
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)	• 1-year Onsite with accidental damage protection 78Y1533
Security	Power-on password, hard disk password, supervisor password,, security lockhole	• 2-year Lenovo Onsite Repair ¹³ 78Y1536
Fingerprint reader	None	• 3-year Lenovo Depot Repair 78Y1538
		• 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686

See footnotes for important warranty information

* US model announced December 1, 2010; previous model on February 16 or November 3, 2010

** US model withdrawn effective November 2010

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(HWI1-2) December 2010

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk GB ⁸ rpm	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0646-2NU	i7-720QM	1.60	2.80	2GBx2	15.6" HD (3D)	LED	1.3M	HD 5730	500G	7200	DVD±RW	Intel 6200 ²⁸	Black	Blue	Prem 64 Oct 10
0646-57U	i7-740QM	1.73	2.93	4+2GB	15.6" HD (3D)	LED	1.3M	HD 5730	500G	7200	DVD±RW	Intel 6200	Black	Blue	Prem 64 Oct 10

- **15.6" widescreen, glossy display with LED backlight**
- **3D panel and glasses - enjoy compatible games and movies in 3D vision**
- **Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive SlideNav bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These system are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i7 processor i7-720QM or i7-740QM with quad-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1333MHz), Intel Turbo Boost, Hyper-Threading technology, 6MB cache												Preloaded operating system²⁰												
Memory	4GB or 6GB std / 8GB max⁷; PC3-10600 1333MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets												Preloaded applications¹⁴ (only some listed)												
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (7200 rpm) / SATA 3.0Gb/s, 9.5mm high																								
Widescreen display 3D glasses Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio, with 3D panel 3D glasses and clip-on lenses for conversion of normal optical glasses Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator																								
Discrete graphics	ATI™ Mobility Radeon™ HD 5730, PCI Express® x16, 1GB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant																								
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, recovery key, mute, volume up, volume down buttons Lenovo SlideNav bar, OneKey Theater and Energy Management keys Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch																								
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.2" x 10.0" x 0.8" to 1.3"; 385mm x 255mm x 20mm to 33mm with optical drive and battery: 6-cell: 5.95lb (2.7 kg) Black top with engraved pattern, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3 hr																								
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)																								
Ports	Three USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																								
TV tuner PCIe Mini Card Intel 6200 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three PCIe Mini Card slots 11a/b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Advanced-N 6200, 2x2 Bluetooth 2.1 wireless + EDR, USB 2.0 interface, LED indicator None Gigabit ethernet, Broadcom® BCM57780, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / JBL® stereo speakers (1.5 watt x 2), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (S/PDIF-out) (stereo, 3.5 mm)																								
Security Fingerprint reader	Power-on password, hard disk password, supervisor password, security lockhole None																								
Limited Warranty¹²																									
<ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 																									

See footnotes for important warranty information
US models announced September 28, 2010

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(HWI1-6) October 2010

ideapad



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650



Lenovo IdeaPad Y650

Part number	Processor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
59019001	P8600	2.40	4GB	16.0" WXGA	LED	Cam	GMA	320GB ⁸	DVD±RW	‡ Intel 5100 ²⁸	Black	Blue	ES50	Prem 64	Apr 09
59018999	P8600	2.40	4GB	16.0" WXGA	LED	Cam	GMA	320GB	DVD±RW	‡ Intel 5100	Black	Blue	ES50	Prem 64	May 09

- **16.0" widescreen, glossy display with LED backlight**
- **Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor P8600 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache										Preloaded operating system²⁰ - Genuine Windows® Vista® Home Premium 64 ♦ Vista Premium logo				
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software				
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable														
Widescreen display Camera	16.0" (406.4mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator														
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content														
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch														
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.4" x 10.2" x 1.0"; 390mm x 260mm x 26mm with optical drive and battery: 6-cell: 5.62 lb (2.55 kg) Black top with engraved pattern, black bottom <i>Top:</i> carbon fiber reinforced plastic; <i>Bottom:</i> magnesium-aluminum alloy Lithium Ion 6-cell Up to 3.5 hr														
Chipset ExpressCard/34 Multicard reader	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC) One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)														
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port														
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator None Gigabit ethernet, Broadcom® BCM5784, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / two JBL® stereo speakers (2 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)														
Security Fingerprint reader	Hard disk password, user password, supervisor password, security lockhole None														

See footnotes for important warranty information

♦ Intel Centrino® 2 processor technology

* US model announced May 27, 2009; previous models on April 7, 2009

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(BM1-3) May 2009

- Limited Warranty¹²**
- ⇒ **1-year parts and labor**
 - ⇒ **Depot repair service¹⁹**
 - ⇒ **Service upgrade options (in eligible locations):⁹**
 - **1-year Onsite with accidental damage protection** 78Y1533
 - **3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day** 78Y1540
 - **3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection** 78Y1541
 - ⇒ **24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686**

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	ENERGY STAR 5.0	Vista preload	Avail date
4185-36U	P8600	2.40	3GB	16.0" WXGA	LED	Cam	GMA	320GB ⁸	DVD±RW	‡ Intel 5100 ²⁸	Black	Blue	ES50	Prem 32	Feb 09
4185-56U	P8700	2.53	4GB	16.0" WXGA	CCFL	Cam	GMA	320GB	DVD±RW	‡ Intel 5100	Black	ES50	Prem 64	Aug 09	
4185-55U	P8700	2.53	4GB	16.0" WXGA	CCFL	Cam	GMA	320GB	DVD±RW	‡ Intel 5100	Black	ES50	Prem 64	Aug 09	
4185-75U	P8700	2.53	4GB	16.0" WXGA	CCFL	Cam	GMA	320GB	DVD±RW	‡ Intel 5100	Black	ES50	Prem 64	Aug 09	

- **16.0" widescreen, glossy display**
- **Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar**
- **Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.**
- **Touch pad supports multi-touch function (pinch, expansion, chiral motion)**
- **Dolby® Home Theater® premium audio system with two JBL® stereo speakers**
- **Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor P8600 or P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache											Preloaded operating system²⁰		
Memory	3GB or 4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets											- Some: Genuine Windows® Vista® Home Premium 32		
	<i>Italics:</i> standard memory in both sockets; no sockets available;											- Some: Genuine Windows Vista Home Premium 64		
Diskette drive	None											◆ Vista Premium logo		
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in											Preloaded applications¹⁴ (only some listed)		
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable											• Lenovo OneKey Recovery		
Widescreen display	16.0" (406.4mm) WXGA (1366x768) TFT color, VibrantView (glossy); Some: LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Some: CCFL backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio											• Lenovo ReadyComm		
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator											• Norton Internet Security™ (90 days of virus definitions)		
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD), in GM45, HDMI port supporting HDCP to output protected content											• Adobe® Reader		
Keyboard	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button											• Easy Capture		
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key											• Microsoft® Office 2007 Trial (60-day)		
Light sensor	Ambient light sensor											• VeriFace™		
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch											• Lenovo Energy Management Software		
Dimensions ³	(WxDxH): 15.4" x 10.2" x 1.0" to 1.2"; 390mm x 260mm x 26 to 30mm											• Cyberlink Power2Go (DVD±RW)		
Weight ²	with optical drive and battery: 6-cell: 5.62 lb (2.55 kg)											• Media Show		
Case color	Black top, black bottom											• Lenovo Desktop Navigator software		
Case material	Top: carbon fiber reinforced plastic; Bottom: magnesium-aluminum alloy											Available at these retailers		
Battery - type	Lithium Ion 6-cell											• lenovo.com		
Battery - life ¹⁰	Up to 3.5 hr											65-watt AC adapter		
Chipset	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)											Wireless on/off switch		
ExpressCard/34	One slot (ExpressCard/34)											ENERGY STAR® 5.0-compliant		
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)											RoHS-compliant		
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port											Limited Warranty¹²		
TV tuner	None											⇒ 1-year parts and labor		
Mini PCI Express	Three Mini PCI Express slots											⇒ Depot repair service ¹⁹		
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)											⇒ Service upgrade options (in eligible locations): ⁹		
Bluetooth™	Some: Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator											• 1-year Onsite with accidental damage protection 78Y1533		
Modem	None											• 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day 78Y1540		
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1											• 3-year Lenovo Onsite Repair ¹³ 9x5 Next Business Day with accidental damage protection 78Y1541		
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two JBL stereo speakers (2 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)											⇒ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686		
Security	Hard disk password, user password, supervisor password, security lockhole											© Lenovo		
Fingerprint reader	None											(BM1-1) August 2009		

See footnotes for important warranty information
 ☐ US models announced August 19, 2009; previous models on February 24 or August 5, 2009

♦ Intel Centriノ 2 processor technology

© Lenovo
 (BM1-1) August 2009

Type-model	Processor	Pro-GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Win7 preload	Avail date
4185-57U	P8700	2.53	4GB	16.0" HD	CCFL	1.3M	GMA 4500MHD	500GB ⁸	DVD±RW	‡ Intel 5100 ²⁸	Black	None	Prem 64	Nov 09

- 16.0" widescreen, glossy display
- Lenovo® Desktop Navigator easily toggles among shortcuts, files, and other frequently used programs with touch-sensitive slide bar
- Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face.
- Touch pad supports multi-touch function (pinch, expansion, chiral motion)
- Dolby® Home Theater® premium audio system with two JBL® stereo speakers
- Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ 2 Duo processor P8700 with dual-core , Intel HD Boost, 1066MHz system bus, and 3MB L2 cache		Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64	
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;		Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • McAfee® VirusScan® Plus (60 days of virus defi nitions) • Adobe® Reader® • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software	
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable			
Widescreen display Camera	16.0" (406.4mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); CCFL backlight, 300 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator			
Integrated graphics	Intel Graphics Media Accelerator 4500MHD (GMA 4500MHD) , in GM45, HDMI port supporting HDCP to output protected content			
Keyboard Touch controls Light sensor Touch pad	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key Ambient light sensor Two-button touch pad with scroll feature (no TrackPoint®), multi-touch			
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 15.4" x 10.2" x 1.0" to 1.2"; 390mm x 260mm x 26 to 30mm with optical drive and battery: 6-cell: 5.62 lb (2.55 kg) Black top, black bottom Top: carbon fiber reinforced plastic; Bottom: magnesium-aluminum alloy Lithium Ion 6-cell Up to 3.5 hr		65-watt AC adapter Wireless on/off switch ENERGY STAR® 5.0-compliant RoHS-compliant	
Chipset ExpressCard/34 Multicard reader	Mobile Intel GM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC) One slot (ExpressCard/34) 6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)		Limited Warranty¹² ⇒ 1-year parts and labor ⇒ Depot repair service ¹⁹ ⇒ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none">• 1-year Onsite with accidental damage protection 78Y1533• 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540• 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ⇒ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686	
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port			
TV tuner Mini PCI Express Intel 5100 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Three Mini PCI Express slots 11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak) None None Gigabit ethernet, Broadcom® BCM5784, PCIe x1 High Definition (HD) Audio, RealTek® ALC272 codec / two JBL stereo speakers (2 watt), Dolby Home Theater Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)			
Security Fingerprint reader	Hard disk password, user password, supervisor password, security lockhole None			

See footnotes for important warranty information
US model announced November 3, 2009

‡ Intel Centrino® 2 processor technology

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(BM1-4) November 2009

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	Mini PCIe 802.11 wireless	Top color	Blue-tooth	Vista preload	Avail date														
4185-37U	P8600	2.40	3GB	16.0" WXGA	LED	Cam	G105M	320GB ⁸	DVD±RW	‡ Intel 5100 ²⁸	Black	Blue	Prem 64	Feb 09														
4185-34U	P8700	2.53	4GB	16.0" WXGA	LED	Cam	G105M	320GB	DVD±RW	‡ Intel 5100	Black	Blue	Prem 64	Feb 09														
<ul style="list-style-type: none"> • 16.0" widescreen, glossy display with LED backlight • Lenovo® Desktop Navigator easily toggles between shortcuts, files, and other frequently used programs with touch-sensitive slide bar • Integrated 1.3 megapixel camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face. • Touch pad supports multi-touch function (pinch, expansion, chiral motion) • Dolby® Home Theater® premium audio system with two JBL® stereo speakers • Ambient Light Sensor automatically adjusts screen brightness based on surrounding light conditions • Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows • OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode 																												
Positioning Processor	<p><i>Widescreen flexibility; two-spindle</i> Intel® Core™ 2 Duo processor P8600 or P8700 with dual-core, Intel HD Boost, 1066MHz system bus, and 3MB L2 cache</p>										Preloaded operating system²⁰																	
Memory	<p>3GB or 4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available;</p>										<ul style="list-style-type: none"> - Genuine Windows® Vista® Home Premium 64 ◆ Vista Premium logo Preloaded applications¹⁴ (only some listed)																	
Diskette drive	None										<ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • Norton Internet Security™ (90 days of virus definitions) • Adobe® Reader • Easy Capture • Microsoft® Office 2007 Trial (60-day) • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Media Show • Lenovo Desktop Navigator software 																	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 9.5 mm high, tray-in																											
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high, removable																											
Widescreen display	16.0" (406.4mm) WXGA (1366x768) TFT color, VibrantView (glossy); LED backlight , 300 nits, 16:9 aspect ratio, 500:1 contrast ratio																											
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator																											
Discrete graphics	NVIDIA® GeForce® G105M , PCI Express® x16, 256MB memory, DirectX® 10, PureVideo® HD technology, VGA, HDMI, HDCP-compliant																											
Keyboard	Full-size keyboard, 6-row, 84-key, recovery key, mute, vol up, vol down button																											
Touch controls	Lenovo Desktop Navigator, OneKey Theater, and Dolby control center key																											
Light sensor	Ambient light sensor																											
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®), multi-touch																											
Dimensions ³	(WxDxH): 15.4" x 10.2" x 1.0"; 390mm x 260mm x 26mm																											
Weight ²	with optical drive and battery: 6-cell : 5.62 lb (2.55 kg)																											
Case color	Black top with engraved pattern, black bottom																											
Case material	Top: carbon fiber reinforced plastic; Bottom: magnesium-aluminum alloy																											
Battery - type	Lithium Ion 6-cell																											
Battery - life ¹⁰	Up to 2.5 hr																											
Chipset	Mobile Intel PM45 Express Chipset (Memory Controller Hub), ICH9M I/O Controller Hub (SATA 3.0Gb/s, USB 2.0, PCI Express® 1.1, ethernet MAC)																											
ExpressCard/34	One slot (ExpressCard/34)																											
Multicard reader	6-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, Secure Digital High Capacity Card, xD-Picture Card™)																											
Ports	Two USB 2.0, external monitor (VGA DB-15, HDMI), ethernet (RJ-45), CIR, eSATA port																											
TV tuner	None																											
Mini PCI Express	Three Mini PCI Express slots																											
Intel 5100 ²⁸	11a/b/g/n wireless ⁴ , Mini PCIe adapter, Intel WiFi Link 5100, 1x2 (Shirley Peak)																											
Bluetooth™	Bluetooth 2.1 wireless + EDR, USB 2.0 interface via ICH9M, LED indicator																											
Modem	None																											
Ethernet	Gigabit ethernet, Broadcom® BCM5784, PCIe x1																											
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / two JBL® stereo speakers (2 watt), Dolby® Home Theater™ Speaker System / dual array microphone, microphone input jack (3.5 mm), headphone jack (SPDIF-out) (stereo, 3.5 mm)																											
Security	Hard disk password, user password, supervisor password, security lockhole																											
Fingerprint reader	None																											
See footnotes for important warranty information US models announced February 24, 2009																												
• Intel Centrino® 2 processor technology © Lenovo (BM1-2) February 2009																												
↳ 1-year parts and labor ↳ Depot repair service ¹⁹ ↳ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none"> • 1-year Onsite with accidental damage protection 78Y1533 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day 78Y1540 • 3-year Lenovo Onsite Repair¹³ 9x5 Next Business Day with accidental damage protection 78Y1541 ↳ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686																												

See footnotes for important warranty information

• Intel Centrino® 2 processor technology

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(BM1-2) February 2009

ideapad



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360



Lenovo IdeaPad Z360

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date	
0912-33U	i3-350M	2.26	3GB	13.3" HD	LED	1.3M	Intel HD	500GB ⁸	DVD±RW	WiMAX	Black	Bluetooth	Prem 64	Jul 10	
0912-34U	i3-370M	2.40	3GB	13.3" HD	LED	1.3M	Intel HD	500GB	DVD±RW	WiMAX	Black	Bluetooth	Prem 32	Dec 10	
0912-36U	i5-460M	2.53	2.80	4GB	13.3" HD	LED	1.3M	Intel HD	500GB	DVD±RW	WiMAX	Black	Bluetooth	Prem 64	Dec 10

- 13.3" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-350M or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-460M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system ²⁰ <ul style="list-style-type: none"> - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64
Memory	3GB or 4GB std / 8GB max ⁷ ; PC3-8500 1066MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none"> • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display Camera	13.3" (337.8mm) HD (WXGA1366x768) TFT color, VibrantView (glossy); LED backlight, 200 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard Touch controls	Full-size keyboard, 6-row, recovery button Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor Touch pad	None Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ²	(WxDxH): 12.9" x 8.6" x 0.8" to 1.3"; 327mm x 219mm x 20mm to 34mm with optical drive and battery: 6-cell: 4.41 lb (2.0kg)	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Case color Case material Battery - type Battery - life ¹⁰	Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 5 hr	
Chipset ExpressCard/34	Mobile Intel HM55 Express Chipset None	Limited Warranty ¹² <ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card)	
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	
TV tuner PCIe Mini Card WiMAX	None One PCIe Mini Card slot 11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX	
Bluetooth™ Modem Ethernet	Bluetooth 2.1 wireless, internal USB 2.0 interface None 10/100M ethernet, Atheros® AR8152	
Audio support	High Definition (HD) Audio, RealTek® ALC272 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security Fingerprint reader	User password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information

⁸ US models announced December 1, 2010; previous model on May 12, 2010

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(LL71-1) December 2010

Type-model	Processor	Max turbo GHz (GHz)	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0912-32U	i5-450M	2.40	2.66	4GB	13.3" HD	LED	1.3M	GF 310M 512MB	500GB ⁸	DVD±RW	WiMAX	Black	Blue	Prem 64 Jul 10
0912-35U	i5-560M	2.66	3.20	4GB	13.3" HD	LED	1.3M	GF 310M 1GB	500GB	DVD±RW	WiMAX	Black	Blue	Prem 64 Dec 10

- **13.3" widescreen, glossy display with LED backlight**
- **Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle Intel® Core™ i5 processor i5-450M or i5-560M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64																	
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none">• Lenovo OneKey Recovery• Lenovo ReadyComm• ooVoo™• McAfee® VirusScan® Plus (60 days of virus definitions)• Adobe® Reader®• Windows Live Essential• CyberLink YouCam• Microsoft Office 2010 preloaded; purchase product key to activate• VeriFace™• Lenovo Energy Management Software• Cyberlink Power2Go (DVD±RW)• Lenovo DirectShare																	
Diskette drive	None																											
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in																											
SATA disk	500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high																											
Widescreen display	13.3" (337.8mm) HD (WXGA1366x768) TFT color, VibrantView (glossy); LED backlight , 200 nits, 16:9 aspect ratio, 500:1 contrast ratio																											
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator																											
Discrete graphics	NVIDIA® GeForce® 310M , PCI Express® x16, 512MB or 1GB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant																											
Keyboard	Full-size keyboard, 6-row, recovery button																											
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management																											
Light sensor	None																											
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)																											
Dimensions ³	(WxDxH): 12.9" x 8.6" x 0.8" to 1.3"; 327mm x 219mm x 20mm to 34mm																											
Weight ²	with optical drive and battery: 6-cell : 4.41 lb (2.0kg)																											
Case color	Black top, black bottom																											
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																											
Battery - type	Lithium Ion 6-cell																											
Battery - life ¹⁰	Up to 4.5 hr																											
Chipset	Mobile Intel HM55 Express Chipset																											
ExpressCard/34	None																											
Multicard reader	4-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card)																											
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																											
TV tuner	None																											
PCIe Mini Card WiMAX	One PCIe Mini Card slot 11a/b/g/n and WiMAX wireless, PCIe Half Mini Card, Intel Centrino Advanced-N + WiMAX 6250, 2x2 AGN + 1x2 WiMAX																											
Bluetooth™ Modem	Bluetooth 2.1 wireless, internal USB 2.0 interface																											
Ethernet	None																											
Audio support	10/100M ethernet, Atheros® AR8152 High Definition (HD) Audio, RealTek® ALC272 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)																											
Security	User password, hard disk password, supervisor password, security lockhole																											
Fingerprint reader	None																											
Limited Warranty¹²																												
↳ 1-year parts and labor																												
↳ Depot repair service¹⁹																												
↳ Service upgrade options (in eligible locations):⁹																												
• 1-year Lenovo Onsite Repair¹³ 78Y1532																												
• 1-year Onsite with accidental damage protection 78Y1533																												
• 2-year Lenovo Onsite Repair¹³ 78Y1536																												
• 3-year Lenovo Depot Repair 78Y1538																												
↳ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686																												

See footnotes for important warranty information

US model announced December 1, 2010; previous model on May 12, 2010

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(LL71-2) December 2010

ideapad



Lenovo IdeaPad Z460



Lenovo IdeaPad Z460



Lenovo IdeaPad Z460



Lenovo IdeaPad Z560



Lenovo IdeaPad Z560



Lenovo IdeaPad Z460

Type-model	Processor	GHz	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
0913-32U	i3-330M	2.13	3GB	14.0" WXGA	LED	0.3M	Intel HD	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	None	Prem 32	May 10

- **14.0" widescreen, glossy display with LED backlight**
- **Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **This system is Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	<i>Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M with dual-core. DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache</i>										Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 32			
Memory	3GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare			
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high													
Widescreen display Camera	14.0" (355.6mm) HD (WXGA1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator													
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant													
Keyboard Touch controls	Full-size keyboard, 6-row, recovery button Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management													
Light sensor Touch pad	None Two-button touch pad with scroll feature (no TrackPoint®)													
Dimensions ³ Weight ²	(WxDxH): 13.4" x 9.1" x 0.7" to 1.4"; 340mm x 231.8mm x 17.2mm to 34.4mm with optical drive and battery: 6-cell: 4.85 lb (2.2 kg)													
Case color Case material Battery - type Battery - life ¹⁰	Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 4 hr										65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant			
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)										Limited Warranty¹²			
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)										<ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686 			
TV tuner PCIe Mini Card 11b/g/n ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots 11b/g/n wireless*, PCIe Half Mini Card, Broadcom® chip or Atheros chip None None 10/100M ethernet, Realtek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) User password, hard disk password, supervisor password, security lockhole													
Security Fingerprint reader	None													

See footnotes for important warranty information
US model announced May 12, 2010

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(EFL3-1) May 2010

Type-model	Processor	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0914-32U	i3-330M	2.13	3GB	15.6" HD	LED	0.3M	Intel HD	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	None	Prem 64	May 10	
0914-38U	i3-350M	2.26	4GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	None	Prem 64	May 10	
0914-37U	i5-450M	2.40	2.66	4GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	None	Prem 64	May 10
0914-3NU	i3-370M	2.40	4GB	15.6" HD	LED	0.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	None	Prem 64	Aug 10	

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-330M, i3-350M or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-450M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	3GB or 4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 0.3-megapixel or 1.3-megapixel, fixed focus, LED indicator	
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard Numeric keypad Touch controls	Full-size keyboard, 6-row, recovery button Numeric keypad on right of keyboard Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor Touch pad	None Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: 6-cell: 5.73 lb (2.6 kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 4 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty¹²
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	<ul style="list-style-type: none"> ⇒ 1-year parts and labor ⇒ Depot repair service¹⁹ ⇒ Service upgrade options (in eligible locations):⁹ <ul style="list-style-type: none"> • 1-year Lenovo Onsite Repair¹³ 78Y1532 • 1-year Onsite with accidental damage protection 78Y1533 • 2-year Lenovo Onsite Repair¹³ 78Y1536 • 3-year Lenovo Depot Repair 78Y1538 ⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686
TV tuner PCIe Mini Card 11b/g/n ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros chip None None 10/100M ethernet, Realtek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm) User password, hard disk password, supervisor password, security lockhole	
Security Fingerprint reader	None	

See footnotes for important warranty information

☞ US model announced August 25, 2010; previous models on May 12, 2010

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(EFL4-1) August 2010

Type-model	Processor	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date	
0914-3AU	i3-350M	2.26	3GB	15.6" HD	LED	1.3M	Intel HD	500GB ⁸	DVD±RW	11b/g/n ²⁸	Black	Blue	Prem 64	May 10	
0914-3DU	i3-350M	2.26	3GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	May 10	
0914-3EU	i5-450M	2.40	2.66	4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	May 10
0914-3JU	i3-370M	2.40	3GB	15.6" HD	LED	1.3M	Intel HD	320GB	DVD±RW	11b/g/n	Black	Blue	Prem 32	Dec 10	
0914-3LU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	Intel 1000 ²⁸	Black	Blue	Prem 64	Dec 10
0914-3MU	i3-370M	2.40	4GB	15.6" HD	LED	1.3M	Intel HD	500GB	DVD±RW	11b/g/n	Black	Blue	Prem 64	Dec 10	
0914-3PU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M	Intel HD	750GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i3 processor i3-350M or i3-370M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-450M or i5-460M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache										Preloaded operating system²⁰ - Some: Genuine Windows® 7 Home Premium 32 - Some: Genuine Windows 7 Home Premium 64																	
Memory	3GB or 4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available										Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare																	
Diskette drive	None																											
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in																											
SATA disk	320GB (5400 rpm), 500GB (5400 rpm), or 750GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high																											
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio																											
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator																											
Integrated graphics	Intel HD Graphics in processor, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant																											
Keyboard	Full-size keyboard, 6-row, recovery button																											
Numeric keypad	Numeric keypad on right of keyboard																											
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management																											
Light sensor	None																											
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)																											
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: 6-cell: 5.73 lb (2.6 kg)																											
Weight ²	Black top, black bottom																											
Case color	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																											
Case material	Lithium Ion 6-cell																											
Battery - type	Up to 4 hr																											
Chipset	Mobile Intel HM55 Express Chipset																											
ExpressCard/34	One slot (ExpressCard/34)																											
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)																											
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																											
TV tuner	None																											
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots																											
Intel 1000 ²⁸	11b/g/n wireless ³ , PCIe Half Mini Card, Broadcom® chip or Atheros chip																											
Bluetooth™	11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000																											
Modem	Bluetooth 2.1 wireless, LED indicator																											
Ethernet	None																											
Audio support	10/100M ethernet, Realtek® RTL8103EL																											
Security	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)																											
Fingerprint reader	User password, hard disk password, supervisor password, security lockhole																											
Limited Warranty¹²																												
⇒ 1-year parts and labor																												
⇒ Depot repair service¹⁹																												
⇒ Service upgrade options (in eligible locations):⁹																												
• 1-year Lenovo Onsite Repair¹³ 78Y1532																												
• 1-year Onsite with accidental damage protection 78Y1533																												
• 2-year Lenovo Onsite Repair¹³ 78Y1536																												
• 3-year Lenovo Depot Repair 78Y1538																												
⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686																												

See footnotes for important warranty information

⇒ US models announced December 1, 2010; previous models on May 12, 2010

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(EFL4-2) December 2010

Type-model	Processor	Max turbo (GHz)	Max turbo (GHz)	Memory	Widescreen display	CCFL or LED	Camera	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Bluetooth	Win7 preload	Avail date
0914-39U	i3-350M	2.26	2.53	4GB	15.6" WXGA	LED	1.3M	GF 310M	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	None	Prem 64	May 10
0914-33U	i5-430M	2.26	2.53	4GB	15.6" WXGA	LED	1.3M	GF 310M	320GB	DVD±RW	11b/g/n	Black	None	Prem 64	May 10

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle</i> Intel® Core™ i3 processor i3-350M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Hyper-Threading technology, and 3MB cache or Intel Core i5 processor i5-430M with dual-core , DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • Cyberlink Power2Go (DVD±RW) • Lenovo DirectShare
Diskette drive	None	
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in	
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio	
Camera	Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® GeForce® G310M , PCI Express® x16, 512MB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard	Full-size keyboard, 6-row, recovery button	
Numeric keypad	Numeric keypad on right of keyboard	
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor	None	
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: 6-cell: 5.73 lb (2.6 kg)	
Weight ²		
Case color	Black top, black bottom	
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic	
Battery - type	Lithium Ion 6-cell	
Battery - life ¹⁰	Up to 3.5 hr	
Chipset	Mobile Intel HM55 Express Chipset	Limited Warranty¹²
ExpressCard/34	One slot (ExpressCard/34)	⇒ 1-year parts and labor
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	⇒ Depot repair service ¹⁹
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	⇒ Service upgrade options (in eligible locations): ⁹
TV tuner	None	• 1-year Lenovo Onsite Repair ¹³ 78Y1532
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots	• 1-year Onsite with accidental damage protection 78Y1533
Bluetooth™	11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros chip	• 2-year Lenovo Onsite Repair ¹³ 78Y1536
Modem	None	• 3-year Lenovo Depot Repair 78Y1538
Ethernet	10/100M ethernet, Realtek® RTL8103EL	⇒ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security	User password, hard disk password, supervisor password, security lockhole	
Fingerprint reader	None	

See footnotes for important warranty information
US models announced May 12, 2010

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(EFL4-3) May 2010

Type-model	Processor	Max turbo (GHz)	Max memory (GHz)	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Blue-tooth	Win7 preload	Avail date
0914-3BU	i5-540M	2.53	3.06	4GB	15.6" HD	LED	1.3M GF 310M	512MB 500GB ⁸	DVD±RW	Intel 1000 ²⁸	Black	Blue	Prem 64	May 10
0914-3KU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M GF 310M	512MB 500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10
0914-3HU	i5-460M	2.53	2.80	4GB	15.6" HD	LED	1.3M GF 310M	1GB 500GB	DVD±RW	Intel 1000	Black	Blue	Prem 64	Dec 10

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- This system is Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	Widescreen flexibility; two-spindle Intel® Core™ i5 processor i5-460M or i5-540M with dual-core, DMI (Direct Media Interface), integrated DDR3 memory controller (up to 1066MHz), Intel Turbo Boost, Hyper-Threading technology, and 3MB cache	Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available	Preloaded applications¹⁴ (only some listed) • Lenovo OneKey Recovery • Lenovo ReadyComm • ooVoo™ • McAfee® VirusScan® Plus (60 days of virus definitions) • Adobe® Reader® • Windows Live Essential • CyberLink YouCam • Microsoft Office 2010 preloaded; purchase product key to activate • VeriFace™ • Lenovo Energy Management Software • CyberLink Power2Go (DVD±RW) • Lenovo DirectShare
Diskette drive SATA DVD±RW SATA disk	None DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high	
Widescreen display Camera	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio Camera on top of screen, 1.3-megapixel, fixed focus, LED indicator	
Discrete graphics	NVIDIA® GeForce® 310M , PCI Express® x16, 512MB or 1GB memory, DirectX® 10.1, NVIDIA PureVideo® HD technology, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant	
Keyboard Numeric keypad Touch controls	Full-size keyboard, 6-row, recovery button Numeric keypad on right of keyboard Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management	
Light sensor Touch pad	None Two-button touch pad with scroll feature (no TrackPoint®)	
Dimensions ³ Weight ² Case color Case material Battery - type Battery - life ¹⁰	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: 6-cell: 5.73 lb (2.6 kg) Black top, black bottom Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic Lithium Ion 6-cell Up to 3.5 hr	65-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant
Chipset ExpressCard/34 Multicard reader	Mobile Intel HM55 Express Chipset One slot (ExpressCard/34) 5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)	Limited Warranty¹² ↳ 1-year parts and labor ↳ Depot repair service ¹⁹ ↳ Service upgrade options (in eligible locations): ⁹ <ul style="list-style-type: none">• 1-year Lenovo Onsite Repair¹³ 78Y1532• 1-year Onsite with accidental damage protection 78Y1533• 2-year Lenovo Onsite Repair¹³ 78Y1536• 3-year Lenovo Depot Repair 78Y1538
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)	↳ 24x7 ¹⁶ toll-free support for warranty issues during the warranty period ¹² via 877-453-6686
TV tuner PCIe Mini Card Intel 1000 ²⁸ Bluetooth™ Modem Ethernet Audio support	None Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Intel Centrino® Wireless-N 1000, 1x2 Bluetooth 2.1 wireless, LED indicator None 10/100M ethernet, Realtek® RTL8103EL High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio certification / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)	
Security Fingerprint reader	User password, hard disk password, supervisor password, security lockhole None	

See footnotes for important warranty information

¹ US models announced December 1, 2010; previous model on May 12, 2010© Lenovo
(EFL4-4) December 2010

Type-model	Processor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Camera	Integrated graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Ethernet	Bluetooth	Win7 preload	Avail date
4311-35U	N530	2.50	2	4GB	15.6"	HD LED	1.3M	HD 4270	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	1000M	None	Prem 64	Jul 10
4311-36U	N830	2.10	3	4GB	15.6"	HD LED	1.3M	HD 4270	320GB	DVD±RW	11b/g/n	Black	1000M	None	Prem 64	Jul 10
4311-3CU	P540	2.40	2	4GB	15.6"	HD LED	0.3M	HD 4270	500GB	Blu-ray	11b/g/n	Black	100M	None	Prem 64	Aug 10
4311-3DU	P540	2.40	2	4GB	15.6"	HD LED	0.3M	HD 4270	500GB	DVD±RW	11b/g/n	Black	100M	None	Prem 64	Aug 10

- **15.6" widescreen, glossy display with LED backlight**
- **Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face**
- **Dolby® Advanced Audio™ certified audio system**
- **Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows**
- **OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode**
- **These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)**

Positioning Processor	Widescreen flexibility; two-spindle AMD® Turion™ II Dual-Core Mobile processor N530 or P540 with dual-core , integrated DDR3 memory controller, and 2MB L2 cache or AMD Phenom™ II Triple-Core Mobile processor N830 with triple-core , integrated DDR3 memory controller, and 1.5MB L2 cache												Preloaded operating system²⁰ - Genuine Windows 7 Home Premium 64																			
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available												Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none">• Lenovo OneKey Recovery• Lenovo ReadyComm• ooVoo™• McAfee® VirusScan® Plus (60 days of virus definitions)• Adobe® Reader®• Windows Live Essential• CyberLink YouCam• Microsoft Office 2010 preloaded; purchase product key to activate• VeriFace™• Lenovo Energy Management Software• Cyberlink Power2Go (DVD±RW)• Lenovo DirectShare																			
Diskette drive	None																															
SATA optical	Some: DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in Some: Blu-ray™ Disc reader (no Blu-ray burning), DVD recordable, 12.7mm, tray-in																															
SATA disk	320GB (5400 rpm) or 500GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high																															
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio																															
Camera	Camera on top of screen, 0.3-megapixel or 1.3-megapixel, fixed focus, LED indicator																															
Integrated graphics	ATI™ Mobility Radeon™ HD 4270 Graphics , in M880G, external analog monitor support via VGA DB-15 connector and digital monitor support via HDMI, HDCP-compliant																															
Keyboard	Full-size keyboard, 6-row, recovery button																															
Numeric keypad	Numeric keypad on right of keyboard																															
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management																															
Light sensor	None																															
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)																															
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: 6-cell: 5.73 lb (2.6 kg)																															
Weight ²																																
Case color	Black top, black bottom																															
Case material	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																															
Battery - type	Lithium Ion 6-cell																															
Battery - life ¹⁰	Up to 4 hr																															
Chipset	AMD M880G Chipset , SB820M south bridge																															
ExpressCard/34	One slot (ExpressCard/34)																															
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)																															
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																															
TV tuner	None																															
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros chip																															
Bluetooth™	None																															
Modem	None																															
Ethernet	Some: 10/100M ethernet, Atheros AR8152 Some: Gigabit ethernet, Atheros AR8151																															
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)																															
Security	User password, hard disk password, supervisor password, security lockhole																															
Fingerprint reader	None																															
Limited Warranty¹²																																
⇒ 1-year parts and labor																																
⇒ Depot repair service¹⁹																																
⇒ Service upgrade options (in eligible locations):⁹																																
• 1-year Lenovo Onsite Repair¹³ 78Y1532																																
• 1-year Onsite with accidental damage protection 78Y1533																																
• 2-year Lenovo Onsite Repair¹³ 78Y1536																																
• 3-year Lenovo Depot Repair 78Y1538																																
⇒ 24x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686																																

See footnotes for important warranty information

US models announced August 25, 2010; previous models on July 7, 2010

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(BLRC1-1) August 2010

Type-model	Processor	GHz	Cores	Memory	Widescreen display	CCFL or LED	Cam-era	Discrete graphics	SATA disk	SATA optical	PCIe Mini Card 802.11	Top color	Numeric Keypad	Blue-tooth	Win7 preload	Avail date
4311-37U	P520	2.30	2	4GB	15.6" HD	LED	0.3M	HD 5470	320GB ⁸	DVD±RW	11b/g/n ²⁸	Black	Keypad	None	Prem 64	Jul 10
4311-34U	N530	2.50	2	4GB	15.6" HD	LED	0.3M	HD 5470	320GB	DVD±RW	11b/g/n	Black	Keypad	None	Prem 64	Jul 10

- 15.6" widescreen, glossy display with LED backlight
- Integrated camera and Lenovo's VeriFace face recognition software helps control access to your notebook by recognizing your face
- Dolby® Advanced Audio™ certified audio system
- Lenovo Rescue System provides OneKey™ recovery and OneKey Antivirus without booting into Windows
- OneKey Theater allows pressing one key to optimize video and audio experience by switching from normal mode to movie mode
- These systems are Microsoft® Office 2010 Product Key Ready (O10PKR)

Positioning Processor	<i>Widescreen flexibility; two-spindle AMD® Turion™ II Dual-Core Mobile processor P520 or N530 with dual-core, integrated DDR3 memory controller, and 2MB L2 cache</i>											Preloaded operating system²⁰ - Genuine Windows® 7 Home Premium 64							
Memory	4GB std / 8GB max⁷; PC3-8500 1066MHz DDR3 , non-parity, dual-channel capable, two 204-pin SO-DIMM sockets <i>Italics:</i> standard memory in both sockets; no sockets available																		
Diskette drive	None											Preloaded applications¹⁴ (only some listed) <ul style="list-style-type: none">Lenovo OneKey RecoveryLenovo ReadyCommooVoo™McAfee® VirusScan® Plus (60 days of virus definitions)Adobe® Reader®Windows Live EssentialCyberLink YouCamMicrosoft Office 2010 preloaded; purchase product key to activateVeriFace™Lenovo Energy Management SoftwareCyberlink Power2Go (DVD±RW)Lenovo DirectShare							
SATA DVD±RW	DVD burner, dual-layer support, fixed, not removable, 12.7mm high, tray-in																		
SATA disk	320GB (5400 rpm) / SATA 3.0Gb/s, 9.5mm high																		
Widescreen display	15.6" (396.2mm) HD (WXGA 1366x768) TFT color, VibrantView (glossy); LED backlight , 220 nits, 16:9 aspect ratio, 500:1 contrast ratio											90-watt AC adapter Wireless on/off switch EPEAT™ Gold rating ENERGY STAR® 5.0-compliant RoHS-compliant							
Camera	Camera on top of screen, 0.3-megapixel, fixed focus, LED indicator																		
Discrete graphics	ATI™ Mobility Radeon™ HD 5470 , PCI Express® x16, 512MB memory, DirectX® 11, ATI Avivo™ HD, VGA connector, HDMI connector, HDCP-compliant												Limited Warranty¹² <ul style="list-style-type: none">1-year parts and laborDepot repair service¹⁹Service upgrade options (in eligible locations):⁹<ul style="list-style-type: none">1-year Lenovo Onsite Repair¹³ 78Y15321-year Onsite with accidental damage protection 78Y15332-year Lenovo Onsite Repair¹³ 78Y15363-year Lenovo Depot Repair 78Y153824x7¹⁶ toll-free support for warranty issues during the warranty period¹² via 877-453-6686						
Keyboard	Full-size keyboard, 6-row, recovery button																		
Numeric keypad	Numeric keypad on right of keyboard																		
Touch controls	Touch-sensitive buttons for mute, OneKey Theater, Smart noise control, and Energy Management																		
Light sensor	None																		
Touch pad	Two-button touch pad with scroll feature (no TrackPoint®)																		
Dimensions ³	(WxDxH): 14.8" x 9.8" x 0.7" to 1.4"; 376.8mm x 249.8mm x 17.3mm to 34.9mm with optical drive and battery: 6-cell: 5.73 lb (2.6 kg)																		
Weight ²	Black top, black bottom																		
Case color	Polycarbonate/Acrylonitrile-Butadiene-Styrene (PC/ABS) plastic																		
Case material	Lithium Ion 6-cell																		
Battery - type	Up to 3.5 hr																		
Chipset	AMD M880G Chipset , SB820M south bridge																		
ExpressCard/34	One slot (ExpressCard/34)																		
Multicard reader	5-in-1 reader (MultiMedia Card, Memory Stick, Memory Stick PRO™, Secure Digital Card, xD-Picture Card™)																		
Ports	Two USB 2.0 and one eSATA/USB combo port, external monitor (VGA DB-15, HDMI), ethernet (RJ-45)																		
TV tuner	None																		
PCIe Mini Card 11b/g/n ²⁸	Two PCIe Mini Card slots 11b/g/n wireless ⁴ , PCIe Half Mini Card, Broadcom® chip or Atheros chip																		
Bluetooth™	None																		
Modem	None																		
Ethernet	Gigabit ethernet, Atheros AR8151																		
Audio support	High Definition (HD) Audio, Conexant® CX20671 codec / stereo speakers (2 watt x 2), Dolby Advanced Audio™ certified / microphone, microphone input jack (3.5 mm), headphone jack (stereo, 3.5 mm)																		
Security	User password, hard disk password, supervisor password, security lockhole																		
Fingerprint reader	None																		

See footnotes for important warranty information
US models announced July 7, 2010

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(BLRC1-2) July 2010

Partial list of accessories supported on:
IdeaPad S10, S10-2, S10-3, S10-3s, S10-3t, S12, U150, U160, U330, U350, U450p, Y450, Y460, Y550, Y560, Y650, Y730, Z360, and Z560

Memory*S10 and S10-3s*

2G PC2-5300 DDR2 SODIMM Memory 57Y6301

Y460, Y560, Z360, and Z560

1G PC3-8500 DDR3 SODIMM Memory 57Y6509

2G PC3-8500 DDR3 SODIMM Memory 57Y6511

Storage and removable storage

USB 2.0 MyKey E10 Flash Drive 1GB 45J7701 ann 04/29/08

USB 2.0 MyKey E10 Flash Drive 2GB 45J7702 ann 04/29/08

USB 2.0 MyKey E10 Flash Drive 4GB 45J7703 ann 04/29/08

USB 2.0 MyKey C40 Flash Drive 4GB 57Y6289

USB 2.0 Portable Secure 160GB Hard Disk 43R2018 ann 11/18/08

USB 2.0 Portable Secure 320GB Hard Disk 43R2019 ann 11/18/08

USB 2.0 Portable 500GB Hard Disk 45K1690 ann 05/26/09

USB 2.0 Super Multi-Burner Drive (black) 45Y2152 ann 01/06/09

Lenovo DataSlim UHD E18 320GB 55Y9401

Lenovo DataSlim UHD E18 500GB 55Y9402

Lenovo Portable DVD Burner GP20N (black) 55Y9391

Lenovo Portable DVD Burner GP20N (white) 55Y9392

Expansion

Lenovo Essential Notebook Stand 45J9292 ann 05/12/09

Lenovo Notebook Stand S1801A (black) 57Y6484

USB Port Replicator with Digital Video 45K1610 ann 07/28/09

Keyboard

Preferred Pro USB Keyboard 73P5220 ann 06/21/05

Enhanced Performance USB Keyboard 73P2620 ann 03/23/04

Lenovo Mini Wireless Keyboard N5901⁵² (blk) 57Y6336Ultraslim Wireless Keyboard and Mouse⁵² 57Y4700 ann 09/15/09⁵² Wireless via 2.4GHz technology using a micro-size USB receiver.**Mouse**

Lenovo Laser Mouse (USB) 41U3074 ann 01/23/07

Lenovo Mini Optical Mouse M30 (blue) 47J7738 ann 06/17/08

Mini Wireless Laser Mouse N10 (black) 45J7731 ann 06/17/08

Lenovo Optical Mouse A6010 (red) 57Y6483

Lenovo Optical Mouse A6010 (black) 57Y6255

Lenovo Mini Optical Mouse S10B (white) 55Y9358

Lenovo Mini Optical Mouse S10B (black) 55Y9357

Lenovo Mini Optical Mouse M20B 55Y2091

Lenovo Mini Optical Mouse M30 (blue) 45J7738

Bluetooth Laser Mouse N6901A (black) 57Y6464

Bluetooth Laser Mice N6901A (glossy black) 57Y6482

Lenovo Wireless Mouse N30B (black) 55Y9360

Lenovo Mini Wireless Laser Mouse N10 (blk) 45J7731

Multimedia

Lenovo Mini Speaker M220 55Y2033

Lenovo Headphone P550 55Y2065

Lenovo 7" LCD DPF P700 Black 55Y2059

Lenovo 7" LCD DPF P710 Gold 55Y2048

Batteries and adapters

IdeaPad S9/S10 Li-Ion Battery 6-cell (black) 45K2178 ann 12/16/08

IdeaPad S9/S10 Li-Ion Battery 6-cell (white) 45K2177 ann 12/16/08

IdeaPad S10-2 Li-Ion Battery 6-cell (black) 55Y9382

IdeaPad S10-2 Li-Ion Battery 6-cell (white) 55Y9383

IdeaPad S10-3t Li-Ion Battery 8-cell (black) 57Y6452

IdeaPad S10-3 Li-Ion Battery 6-cell (white) 57Y6448

IdeaPad S10-3 Li-Ion Battery 6-cell (black) 57Y6446

IdeaPad U150 Li-Ion Battery 6-cell (black) 57Y6354

IdeaPad U350 Li-Ion Battery 8-cell (black) 57Y6352

IdeaPad U350 Li-Ion Battery 4-cell (white) 57Y6265

IdeaPad U450P/U550 Li-Ion Battery 6-cell (b) 57Y6309

IdeaPad Y450/Y550 Li-Ion Battery 6-cell 55Y2054 ann 04/07/09

IdeaPad Y460/Y560 Li-Ion Battery 6-cell (blk) 57Y6440

G460/G560/V360/Z460/Z560 Li Battery 6-cell 57Y6454

IdeaPad Y650 Li-Ion Battery 6-cell 55Y2055 ann 04/07/09

S9, S10, and U150

IdeaPad S9/S10 40W AC Adapter (white) 45K2200 ann 11/18/08

IdeaPad S9/S10 40W AC Adapter (black) 45K2209 ann 11/18/08

S10-3, S10-3s, and S10-3t

Lenovo 30W AC Adapter (white) 57Y6430

Lenovo 30W AC Adapter (black) 57Y6415

S10-2, S12, and U160

Lenovo 40W AC Adapter 40A (white) 55Y9361

Lenovo 40W AC Adapter 40A (black) 55Y9370

Y460, Y560, Z360, and Z560

Lenovo 65W AC Adapter 65A 57Y6400

U350, U450P, U550, Y450, Y550, and Y650

IdeaPad 65W AC Adapter 45K2225

Y460 and Y560

Lenovo 90W AC Adapter 90A 57Y6385

U330, U350, U450P, U550, Y450, Y550, Y650 and Y730⁴⁵

Lenovo 90W AC Adapter 45J7717 ann 08/12/08

⁴⁵ Only compatible with the integrated graphic models of Y730*Y560*

Lenovo 120W AC Adapter 57Y6549

Carrying Cases

IdeaPad 10" Sleeve S1616 (Black) 57Y6456

IdeaPad 11" Sleeve S310 55Y2086

IdeaPad 12" TopLoader T220 (Black) 55Y2024

IdeaPad 12" TopLoader T220 (Grey) 55Y2025

IdeaPad 13" Sleeve S135 (Pink) 57Y6320

IdeaPad 13" Sleeve S135 (Grey) 57Y6318

IdeaPad 13" Sleeve S135 (Black) 57Y6319

Wenger 14" Backpack CB540 55Y2082

IdeaPad 15" Backpack B450 (Blue-Basic) 55Y2093

IdeaPad 15" Backpack B450 (Black-Basic) 55Y2094

IdeaPad 15" Backpack B450 (pink) 55Y2034 ann 01/06/09

IdeaPad 15" Backpack B450 (Blue) 55Y2035

Lenovo 15" Backpack B5650 57Y6457

Lenovo 15" Entry Backpack B10 45J5468 ann 07/15/08

IdeaPad 15" TopLoader T150 (Green) 55Y9397

IdeaPad 15" Messenger Case M150 (White) 55Y9381

IdeaPad 15" Messenger Case M150 (Black) 55Y9380

IdeaPad 16" TopLoader T360 55Y2100

Monitors

Lenovo L2230x Wide 21.5" Monitor 5453HB1 ann 06/10/10

ThinkVision® L1711p 17" Monitor 5047HB2 ann 10/20/09

ThinkVision L1900p 19" Monitor 4431HE1 ann 11/11/08

ThinkVision L1951p Wide 19" Monitor 2448HB6 ann 10/20/09

ThinkVision L2250p Wide 22" Monitor 2572HB6 ann 10/20/09

ThinkVision L2251p Wide 22" Monitor 2572HD6 ann 10/20/09

ThinkVision L2251x Wide 22" Monitor 2578HB6 ann 10/20/09

ThinkVision L2321x Wide 23" Monitor 4014HB6 ann 06/10/10

ThinkVision L2440p Wide 24" Monitor 4420HB2 ann 09/17/08

Monitor Accessories⁴⁶

ThinkVision USB Soundbar 40Y7616 ann 08/23/05

ThinkVision Soundbar 45K1263 ann 09/16/08

Kensington® MicroSaver® Cable Lock 73P2582 ann 12/29/03

Kensington Twin Head Cable Lock 45K1620 ann 09/30/08

Lenovo Security Cable Lock 57Y4303 ann 08/24/10

Lenovo Easy Reach Monitor Stand 55Y9258 ann 09/22/09

⁴⁶ Compatible on selected ThinkVision monitors.More information at www.lenovo.com/support/monitoraccessories**Consumer monitors**

Lenovo L195 Wide 19" LCD Monitor 4418HC1 ann 09/02/08

Lenovo L222 Wide 22" LCD Monitor 4432HF1 ann 09/02/08

Other accessories at www.lenovo.com/accessoriesAccessories Guide pdf at www.lenovo.com/accessoriesguide

Availability: All offers 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.

Warranty: For a copy of applicable product warranties, write to: Warranty Information, P.O. Box 12195, RTP, NC, 27709, Attn: Dept ZPYA/B676. Lenovo makes no representation or warranty regarding third party products or services.

Footnotes:

- ¹ Power management, including Intel® SpeedStep® Technology, reduces processor speed when in battery mode.
- ² **Weight** includes battery and standard optical drive; weight may vary due to vendor components, manufacturing process and options.
- ³ **Thinness** may vary at certain points on the system.
- ⁴ **Wireless capability:** Requires compatible wireless-enabled options sold separately.
- ⁵ **Post-warranty annual maintenance agreement:** Service begins at the end of the base warranty or the end of any other applied warranty and maintenance option, whichever occurs last. Service delivery is not available the same day the maintenance agreement is purchased. Maintenance agreements must be purchased and the registration successfully completed prior to the service being available.
- ⁶ **Public network download modem speeds** are limited to 53Kbps. Upload speeds are limited to 48Kbps for V92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- ⁷ **Maximum memory capacity** may require the replacement of standard component with largest supported component available. On systems, even though it is possible to physically install 4GB of memory, the actual amount of memory addressable by a 32-bit operating system will be limited to 3GB. This limitation does not exist with 64-bit operating systems.
- ⁸ **Hard drive:** GB = billion bytes, TB = trillion bytes. Accessible capacity is less; up to 4GB is service partition.
- ⁹ **Service upgrade options:** Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees.
- ¹⁰ **Battery:** These model numbers achieved the battery life based on MobileMark® 2007 during testing. Battery life (and recharge times) will vary based on many factors including screen brightness, applications, features, power management, battery conditioning, and other customer preferences.
- ¹¹ **Wireless:** Based on IEEE 802.11a, 802.11b, and 802.11g respectively. An adapter with 11a/b, 11b/g, or 11a/b/g can communicate on either/any of these listed formats respectively, the actual connection will be based on the access point to which it connects.
- ¹² **Limited warranty:** Support unrelated to a warranty issue may be subject to additional charges.
- ¹³ **Onsite Repair:** If a machine is listed as having "On-site", this means that on-site service is available for the replacement of parts for warranty repairs. Certain parts, referred to as Customer Replaceable Unit ("CRU") parts, are easy to install and require little or no tools or technical knowledge. Some examples of CRU parts are mice, keyboards, hard disk drives, speakers, and memory. If your problem can be resolved with a CRU, the Support Center will offer to ship the part to you for you to install.
- ¹⁴ **Included software** may differ from its retail version (if available), and may not include user manuals or all program functionality. Software license agreements may apply.
- ¹⁵ **Modem speeds:** Public network download speeds are limited to 53Kbps. Upload speeds are limited to 48Kbps for V92 modems. Actual speeds depend on many factors and are often less than the maximum possible. V92 functions and speeds require compatible phone line and server equipment. Check with your telephone and ISP service providers for availability.
- ¹⁶ **Response times may vary.** May exclude some holidays. Telephone support may be subject to additional charges.
- ¹⁷ **International Warranty Service** is available for most products in any country in which this product is sold and serviced. Service delivery methods and parts availability vary by country, may be different from that in the country of purchase, and are subject to change without notice. Fees and restrictions may apply in some countries.
- ¹⁸ **Telephone support** may be subject to additional charges, even during the limited warranty period. Response times may vary and may exclude some holidays.
- ¹⁹ **Depot repair service:** In the United States call 1-877-453-6686. The customer may be asked certain diagnostic questions before a courier is sent. Your purchase includes this depot repair service, available in the U.S. during the limited warranty period.
- ²⁰ **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 and enter your machine type and model number for more information.
- ²¹ **For combination drives,** maximum possible speeds only are given in the following order: CD write, CD rewrite, CD read, DVD read.
- ²² **Lenovo Care Services:** These services are available for machines normally used for business, professional, or trade purposes, rather than personal, family, or household purposes. Not all machine types and models are covered. Service period begins with the equipment date of purchase. Service must be purchased during the original limited product warranty period. Service levels are response time objectives and are not guarantees. If the machine problem turns out to be a Customer Replaceable Unit (CRU), a part can be express shipped to you for quick replacement. For notebooks requiring LCD or other component replacement, Lenovo may choose to perform service at the depot repair center. Calls must be received by 5 pm local time in order to qualify for Next Business Day service. P&L means parts and labor. P/U means pick-up. See terms and conditions for complete details and restrictions.



²⁵ **Wireless WAN Cards:** Wireless data service requires separate agreement with Verizon Wireless. Verizon Wireless, not Lenovo, is solely responsible for service. Monthly and airtime charges may apply. Service may not be available in all areas; purchaser is responsible for verifying with Verizon Wireless that service is available for the intended location before the purchase of the card. For complete details, including service plans, additional required hardware or software, and service coverage, visit www.verizonwireless.com.

²⁸ **The IEEE 802.11n specification (MIMO)** has been finalized and is currently in IEEE 802.11n-2009 release. The maximum speed depends on the access point device and the number of integrated antenna used for connection. An adapter with 11a/b, 11a/b/g, 11b/g/n, or 11a/b/g/n can communicate on any of its supported formats.

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Lenovo
1009 Think Place
Morrisville, NC 27560
U.S.A.

December 2010
ipbook.pdf