Lenovo® ThinkPad T430s

Lenovo ThinkPad T430s

Lenovo ThinkPad T430s with
Lenovo Essential Notebook Stand 45J9292,
notebook, keyboard and mouse

Lenovo ThinkPad T430s with
USB 3.0 Secure 750GB Hard Drive
0A65616

Lenovo ThinkPad T430s

Lenovo ThinkPad T430s with
USB 3.0 Secure 750GB Hard Drive
0A65616

ThinkPad T430s 2352 (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Disk SATA GB[8] rpm		Optical or Blank bezel	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bay battery cells	Bat-tery cells	Intel AMT	Intel vPro	Pre-load	Ann Date (mm/yy)
2352-2KU	i5-3320M	4GBx1	14.0" HD+	128G	SSD	Blank bezel	None	Intel 6205[28]	upg	Finger	3	6	iAMT	vPro	Pro 64	06/12
2352-2JU	i5-3320M	4GBx1	14.0" HD+	320G	7200	DVD±RW	None	TP 11b/g/n	upg	None	No	6	None	None	Pro 64	06/12

• *Small and medium business (SMB) model(s), part of the US TopSeller™ Program*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical Bay battery Ultrabay SATA disk	*Some:* DVD burner, 9.5mm Ultrabay slim, removable *Some:* ThinkPad Battery 43 (3-cell, bay) (0A36310), used in Option Bay One modular bay for interchangeable devices (right side), 9.5mm high, bottom access *Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)
Keyboard TrackPoint® Touchpad ThinkLight™	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3] Weight[2] Case material Battery - type Battery - life[10]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm *6-cell:* from 3.96 lb (1.79kg) *Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication *6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset ExpressCard Smart Card Read Multicard Reader Ports	**Mobile Intel QM77 Express Chipset** One slot (ExpressCard/34) None 4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i7 integrated model, switch via BIOS)
PCIe Mini Card PCIe WLAN[4]	Two PCI Express Mini Card slots *Some:* 11b/g/n, PCIe Half Mini Card, ThinkPad 11b/g/n, 1x1 *Some:* 11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN Carrier Modem IEEE 1394 Bluetooth™ Ethernet Intel AMT Audio support	Wireless WAN upgradable None None None Bluetooth 4.0 wireless Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1 *Some:* Intel Active Management Technology (iAMT) HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security Security chip Fingerprint reader	Power-on password, hard disk password, supervisor password, security keyhole Trusted Platform Module, TCG 1.2-compliant *Some:* AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**1-year** - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7
Professional 64

Ready to install applications[14] (only some listed)
• Rescue and Recovery™
• Password Manager

Preloaded applications[14] (only some listed)
• Lenovo® Solution Center
• Lenovo Message Center Plus
• ThinkVantage Product Recovery
• Access Connections™
• Fingerprint Software (fingerprint models)
• ThinkVantage System Update
• ThinkVantage Power Manager
• Lenovo Cloud Storage by SugarSync
• Lenovo SimpleTap
• Microsoft® Office preloaded; purchase a product key to activate
• Norton™ Internet Security 2012 (30 days of virus definitions)
• Adobe® Reader®
• Skype™ for Windows
• Evernote®
• Intel Small Business Advantage
• RapidBoot HDD Accelerator
• Symantec™ VIP
• Windows Live™ Essentials
• Corel® WinDVD® (DVD±RW)
• Corel Burn.Now™ Lenovo Edition (DVD±RW)
• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

ThinkPad T430s 2353 (TopSeller)

Type-model	Processor	Memory	Wide-screen display	Disk SATA GB[8] rpm	Optical or battery	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bat-tery cells	Power Adapter (watt)	Intel vPro	Preload	Ann Date (mm/yy)
2353-2NU	i7-3520M	4GBx1	14.0" HD+	180G SSD	DVD±RW	None	Intel 6205[28]	WWAN upg	Finger	6	90W	vPro	Pro 64	06/12
2353-2MU	i5-3320M	4GBx1	14.0" HD+	500G 7200	DVD±RW	None	Intel 6205	WWAN upg	Finger	6	65W	vPro	Pro 64	06/12
2353-2LU	i5-3320M	4GBx1	14.0" HD+	128G SSD	DVD±RW	None	Intel 6205	WWAN upg	Finger	6	65W	vPro	Pro 64	06/12
2353-6GU	i7-3520M	4GBx1	14.0" HD+	500G 7200	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	65W	vPro	Pro 64	07/12
2353-6FU	i7-3520M	4GBx1	14.0" HD+	180G SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	65W	vPro	Pro 64	07/12
2353-6DU	i5-3320M	4GBx1	14.0" HD+	180G SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	65W	vPro	Pro 64	07/12
2353-6AU	i5-3320M	4GBx1	14.0" HD+	128G SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	65W	vPro	Pro 64	07/12
2353-69U	i5-3320M	4GBx1	14.0" HD+	500G 7200	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	65W	vPro	Pro 64	07/12

- *Small and medium business (SMB) model(s), part of the US TopSeller™ Program*
- *A depot repair service 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology
	Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets
	* System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high
	Some: Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™
	All: removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio
	Some: **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display;
	Maximum external resolution: 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i7 integrated model, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7
Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt or 90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

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ThinkPad T430s 2353 (TopSeller) - Windows 8

Type-model	Processor	Memory	Wide-screen display	Disk SATA GB[8] rpm		Optical or battery	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bat-tery cells	Intel vPro	Preload	Ann Date (mm/yy)
2353-9VU	i7-3520M	4GBx1	14.0" HD+	500G	7200	DVD±RW	None	Intel 6205[28]	WWAN upg	Finger	6	vPro	Win7 Pro64	10/12
2353-9MU	i5-3320M	4GBx1	14.0" HD+	128G	SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win7 Pro64	10/12
2353-9LU	i5-3320M	4GBx1	14.0" HD+	500G	7200	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win7 Pro64	10/12
2353-6HU	i7-3520M	4GBx1	14.0" HD+	500G	7200	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win8 Pro64	10/12
2353-6EU	i7-3520M	4GBx1	14.0" HD+	180G	SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win8 Pro64	10/12
2353-6CU	i5-3320M	4GBx1	14.0" HD+	180G	SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win8 Pro64	10/12
2353-6BU	i5-3320M	4GBx1	14.0" HD+	128G	SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win8 Pro64	10/12
2353-68U	i5-3320M	4GBx1	14.0" HD+	500G	7200	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win8 Pro64	10/12
2353-B5U	i5-3320M	4GBx1	14.0" HD+	128G	SSD	DVD±RW	Backlit	Intel 6205	WWAN upg	None	6	vPro	Win7 Pro64	07/13
2353-B4U	i5-3320M	4GBx1	14.0" HD+	500G	7200	DVD±RW	Backlit	Intel 6205	WWAN upg	None	6	vPro	Win7 Pro64	07/13
2353-AZU	i5-3320M	4GBx1	14.0" HD+	256G	SSD OPAL	DVD±RW	Backlit	Intel 6205	WWAN upg	None	6	vPro	Win7 Pro64	07/13
2353-AYU	i5-3320M	4GBx1	14.0" HD+	256G	SSD OPAL	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	6	vPro	Win7 Pro64	07/13
2353-AXU	i5-3320M	4GBx1	14.0" HD+	320G	7200 OPAL	DVD±RW	Backlit	Intel 6205	WWAN upg	None	6	vPro	Win7 Pro64	07/13

- *Small and medium business (SMB) model(s), part of the US TopSeller™ Program*
- *A depot repair service 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i7 integrated model, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	*Some:* AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[5] (only some listed)

- **Windows 7 models**
- Lenovo® Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage Power Manager
- Lenovo SimpleTap
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

- **Windows 8 models**
- Lenovo Support
- Lenovo Companion
- Lenovo QuickLaunch
- PC Device Stage
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)

- **All models**
- Lenovo Solution Center
- Password Manager
- ThinkVantage System Update
- Fingerprint Software (fingerprint models)
- Lenovo Cloud Storage by SugarSync
- Microsoft® Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

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ThinkPad T430s 2353 (Optimus) - TopSeller

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Optical or battery	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Finger print reader	Blue-tooth	Bat-tery cells	Intel vPro	Pre-load	Ann Date (mm/yy)
2353-5UU	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	DVD±RW	None	Intel 6205[28]	WWAN upg	None	No	6	None	Pro 64	07/12
2353-66U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	DVD±RW	Backlit	Intel 6205	WWAN upg	Finger	BT	6	None	Pro 64	07/12

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA NVS™ 5200M**, PCI Express® x16, **1GB** memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort or Thunderbolt (i7 integrated models); supports three independent displays; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	*Some:* Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	None
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	*Some:* AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

ThinkPad T430s 2353 (Optimus) - TopSeller (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bat-tery cells	Intel AMT	Intel vPro	Preload	Ann Date (mm/yy)
2353-9WU	i7-3520M	4GBx1	14.0" HD+	720p	180G SSD	Backlit	Intel 6205[28]	WWAN upg	Finger	6	iAMT	vPro	Win7 Pro64	10/12
2353-9KU	i5-3210M	4GBx1	14.0" HD+	720p	500G 7200	Backlit	Intel 6205	WWAN upg	Finger	6	None	No	Win7 Pro64	10/12
2353-67U	i5-3210M	4GBx1	14.0" HD	720p	500G 7200	Backlit	Intel 6205	WWAN upg	Finger	6	None	No	Win8 Pro64	10/12
2353-ALU	i5-3230M	4GBx1	14.0" HD	720p	500G 7200	Backlit	Intel 6205	WWAN upg	Finger	6	None	No	Win8 Pro64	02/13
2353-ABU	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	Backlit	Intel 6205	WWAN upg	Finger	6	None	No	Win7 Pro64	02/13
2353-B7U	i5-3230M	4GBx1	14.0" HD+	720p	500G 7200	Backlit	Intel 6205	WWAN upg	None	6	None	No	Win7 Pro64	07/13
2353-B6U	i7-3520M	4GBx1	14.0" HD+	720p	180G SSD	Backlit	Intel 6205	WWAN upg	None	6	iAMT	vPro	Win7 Pro64	07/13
2353-B3U	i7-3520M	4GBx1	14.0" HD+	720p	256G SSD OPAL	Backlit	Intel 6205	WWAN upg	Finger	6	iAMT	vPro	Win7 Pro64	07/13
2353-B2U	i7-3520M	4GBx1	14.0" HD+	720p	256G SSD OPAL	Backlit	Intel 6205	WWAN upg	None	6	iAMT	vPro	Win7 Pro64	07/13

- *Small and medium business (SMB) model(s), part of the US TopSeller™ Program*
- *A depot repair service 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3210M processor (2 cores, 2.50GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.10GHz), HT technology **Intel Core i5-3230M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.20GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA NVS™ 5200M**, PCI Express® x16, **1GB** memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort or Thunderbolt (i7 integrated models); supports three independent displays; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	*Some:* Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	*Some:* AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[5] (only some listed)

- **Windows 7 models**
  - Lenovo® Message Center Plus
  - ThinkVantage Product Recovery
  - Access Connections™
  - ThinkVantage Power Manager
  - Lenovo SimpleTap
  - Corel® WinDVD® (DVD±RW)
  - Corel Burn.Now™ Lenovo Edition (DVD±RW)
  - Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

- **Windows 8 models**
  - Lenovo Support
  - Lenovo Companion
  - Lenovo QuickLaunch
  - PC Device Stage
  - Cyberlink Power2Go (DVD±RW)
  - Cyberlink PowerProducer (DVD±RW)

- **All models**
  - Lenovo Solution Center
  - Password Manager
  - ThinkVantage System Update
  - Fingerprint Software (fingerprint models)
  - Lenovo Cloud Storage by SugarSync
  - Microsoft® Office preloaded; purchase a product key to activate
  - Norton™ Internet Security (30 days of virus definitions)
  - Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

ThinkPad T430s 2355

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Carrier	Finger print reader	Bat-tery cells	Bay battery cells	Intel vPro	Global (G) GMP (P)	Pre-load	Ann Date (mm/yy)
2355-HMU	i7-3520M	4GBx1	14.0" HD+	720p	320G 7200	None	Intel 6205[28]	WWAN upg	None	Finger	6	No	vPro	G	Pro 64	06/12
2355-HLU	i7-3520M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	None	Finger	6	No	vPro	G	Pro 64	06/12
2355-HKU	i7-3520M	4GBx2	14.0" HD+	720p	180G SSD	None	Intel 6205	WWAN upg	None	Finger	6	No	vPro	G	Pro 64	06/12
2355-HFU	i5-3320M	4GBx1	14.0" HD+	720p	128G SSD	None	Intel 6205	WWAN upg	None	Finger	6	No	vPro	G	Pro 64	06/12
2355-HEU	i5-3320M	4GBx1	14.0" HD+	720p	128G SSD	None	Intel 6205	Gobi 3000	select	Finger	6	No	vPro		Pro 64	06/12
2355-HDU	i5-3320M	4GBx1	14.0" HD+	None	320G 7200	None	Intel 6205	WWAN upg	None	Finger	6	3	vPro	G	Pro 64	06/12
2355-HCU	i5-3320M	4GBx1	14.0" HD+	720p	128G SSD	None	Intel 6205	WWAN upg	None	Finger	6	3	vPro		Pro 64	06/12
2355-GUU	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	None	Intel 6205	WWAN upg	None	None	6	No	vPro		Pro 64	06/12
2355-GTU	i5-3320M	4GBx1	14.0" HD+	720p	128G SSD	None	Intel 6205	WWAN upg	None	None	6	No	vPro		Pro 64	06/12
2355-GMU	i7-3520M	4GBx1	14.0" HD+	720p	320G 7200	None	Intel 6205	WWAN upg	None	None	6	No	vPro		Pro 64	06/12
2355-G3U	i7-3520M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	None	Finger	6	No	vPro	G	Pro 64	06/12
2355-G2U	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	None	Intel 6205	WWAN upg	None	Finger	6	No	vPro	G	Pro 64	06/12
2355-K8U	i5-3320M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	Gobi 4000	AT&T	Finger	6	No	vPro		Pro 64	09/12

- *A depot repair service 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	*Some:* ThinkPad Battery 43 (3-cell, bay) (0A36310), used in Option Bay
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	*Some:* HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i7 integrated model, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	*Some:* Wireless WAN upgradable *Some:* Wireless WAN, Qualcomm® Gobi™ 3000 chipset, PCIe Mini Card, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS *Some:* Wireless WAN, Qualcomm Gobi™ 4000 chipset, PCIe Mini Card, LTE, EV-DO Rev. A, GPRS/WCDMA/HSPA, GPS
Carrier	*Some:* User selectable, AT&T®, Verizon®, or Sprint®, contract required with service provider *Some:* AT&T® LTE (4G), contract required with service provider
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	*Some:* AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bat-tery cells	Bay battery cells	Intel vPro	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
2355-K7U	i7-3520M	4GBx1	14.0" HD+	720p	180G SSD	None	Intel 6205[28]	WWAN upg	Finger	6	No	vPro	G	Win8 Pro64	10/12
2355-JQU	i7-3520M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	Finger	6	No	vPro		Win8 Pro64	10/12
2355-JCU	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	None	Intel 6205	WWAN upg	Finger	6	No	vPro		Win8 Pro64	10/12
2355-KNU	i5-3320M	4GBx1	14.0" HD+	720p	180G SSD	None	Intel 6205	WWAN upg	Finger	6	No	vPro		Win7 Pro64	12/12
2355-KMU	i5-3320M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	Finger	6	No	vPro		Win7 Pro64	12/12

- *A depot repair service 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i7 integrated model, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[5] (only some listed)

- Windows 7 models
- Lenovo® Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage Power Manager
- Lenovo SimpleTap
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo QuickLaunch
- PC Device Stage
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)

- All models
- Lenovo Solution Center
- Password Manager
- ThinkVantage System Update
- Fingerprint Software (fingerprint models)
- Lenovo Cloud Storage by SugarSync
- Microsoft® Office preloaded; purchase a product key to activate
- Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

ThinkPad T430s 2355 (Optimus)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Optical or battery	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Finger print reader	Blue-tooth	Bat-tery cells	Intel vPro	Global (G) GMP (P)	Pre-load	Ann Date (mm/yy)
2355-HJU	i5-3320M	4GBx2	14.0" HD+	720p	180G SSD	DVD±RW	None	Intel 6205[28]	WWAN upg	Finger	BT	6	vPro	G	Pro 64	06/12
2355-HHU	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	DVD±RW	None	Intel 6205	WWAN upg	Finger	BT	6	vPro	G	Pro 64	06/12
2355-HGU	i5-3320M	4GBx1	14.0" HD+	720p	500G 7200	DVD±RW	None	Intel 6205	WWAN upg	Finger	BT	6	vPro	G	Pro 64	06/12

- *A depot repair service 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA NVS™ 5200M**, PCI Express® x16, **1GB** memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort or Thunderbolt (i7 integrated models); supports three independent displays; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7 Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

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Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bat-tery cells	Intel vPro	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
2355-K6U	i5-3320M	4GBx1	14.0" HD+	720p	180G SSD	None	Intel 6205[28]	WWAN upg	Finger	6	vPro	G	Win8 Pro64	10/12
2355-JEU	i5-3320M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	Finger	6	vPro		Win8 Pro64	10/12
2355-KPU	i7-3520M	4GBx1	14.0" HD+	720p	240G FDE SSD	Backlit	Intel 6205	WWAN upg	Finger	6	vPro		Win7 Pro64	12/12

- *A depot repair service 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA NVS™ 5200M**, PCI Express® x16, **1GB** memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort or Thunderbolt (i7 integrated models); supports three independent displays; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-yr battery - depot repair service / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[5] (only some listed)

- Windows 7 models
- Lenovo® Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage Power Manager
- Lenovo SimpleTap
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo QuickLaunch
- PC Device Stage
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)

- All models
- Lenovo Solution Center
- Password Manager
- ThinkVantage System Update
- Fingerprint Software (fingerprint models)
- Lenovo Cloud Storage by SugarSync
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

ThinkPad T430s 2356 (Onsite)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Optical or battery	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Carrier	Finger print reader	Bat-tery cells	Intel vPro	Global (G) GMP (P)	Pre-load	Ann Date (mm/yy)
2356-HCU	i7-3520M	4GBx1	14.0" HD	720p	500G 7200	DVD±RW	None	Intel 6205[28]	WWAN upg	None	Finger	6	vPro	G P	Pro 64	06/12
2356-HBU	i7-3520M	4GBx1	14.0" HD+	720p	320G 7200	DVD±RW	None	Intel 6205	WWAN upg	None	Finger	6	vPro	G P	Pro 64	06/12
2356-HAU	i7-3520M	4GBx2	14.0" HD+	720p	180G SSD	DVD±RW	None	Intel 6205	WWAN upg	None	Finger	6	vPro	G P	Pro 64	06/12
2356-GUU	i7-3520M	4GBx1	14.0" HD+	720p	320G 7200	DVD±RW	None	Intel 6205	WWAN upg	None	None	6	vPro	G P	Pro 64	06/12
2356-GTU	i5-3320M	4GBx1	14.0" HD+	None	320G 7200	DVD±RW	None	Intel 6205	WWAN upg	None	Finger	6	vPro	G P	Pro 64	06/12
2356-GRU	i5-3320M	4GBx1	14.0" HD+	720p	128G SSD	DVD±RW	None	Intel 6205	WWAN upg	None	Finger	6	vPro	G P	Pro 64	06/12
2356-GPU	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	DVD±RW	None	Intel 6205	WWAN upg	None	None	6	vPro	G P	Pro 64	06/12
2356-GJU	i5-3320M	4GBx1	14.0" HD+	720p	128G SSD	DVD±RW	None	Intel 6205	WWAN upg	None	None	6	vPro	G P	Pro 64	06/12
2356-G3U	i7-3520M	4GBx1	14.0" HD+	720p	500G 7200	DVD±RW	None	Intel 6205	WWAN upg	None	Finger	6	vPro	G P	Pro 64	06/12
2356-G2U	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	DVD±RW	None	Intel 6205	WWAN upg	None	Finger	6	vPro	G P	Pro 64	06/12

• *Part of the Global Models Plus program with limited onsite service[24] 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	*Some:* HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	**Intel HD Graphics 4000** in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i7 integrated model, switch via BIOS)
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	*Some:* AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-year battery, **limited onsite service**[24], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7
Professional 64

Ready to install applications[14] (only some listed)
• Rescue and Recovery™
• Password Manager

Preloaded applications[14] (only some listed)
• Lenovo® Solution Center
• Lenovo Message Center Plus
• ThinkVantage Product Recovery
• Access Connections™
• Fingerprint Software (fingerprint models)
• ThinkVantage System Update
• ThinkVantage Power Manager
• Lenovo Cloud Storage by SugarSync
• Lenovo SimpleTap
• Microsoft® Office preloaded; purchase a product key to activate
• Norton™ Internet Security 2012 (30 days of virus definitions)
• Adobe® Reader®
• Skype™ for Windows
• Evernote®
• Intel Small Business Advantage
• RapidBoot HDD Accelerator
• Symantec™ VIP
• Windows Live™ Essentials
• Corel® WinDVD® (DVD±RW)
• Corel Burn.Now™ Lenovo Edition (DVD±RW)
• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

65-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bat-tery cells	Intel vPro	Global (G) GMP (P)	Preload	Ann Date (mm/yy)
2356-LDU	i7-3520M	4GBx1	14.0" HD+	720p	180G SSD	None	Intel 6205[28]	WWAN upg	Finger	6	vPro	G P	Win8 Pro64	10/12
2356-LAU	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	None	Intel 6205	WWAN upg	Finger	6	vPro	G P	Win8 Pro64	10/12
2356-MHU	i5-3320M	4GBx1	14.0" HD+	720p	180G SSD	None	Intel 6205	WWAN upg	Finger	6	vPro		Win7 Pro64	12/12
2356-MGU	i5-3320M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	Finger	6	vPro		Win7 Pro64	12/12

• *Some models are part of the Global Models Plus program with limited onsite service[24] 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*	
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache), Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache), Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology	
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller	
Optical	DVD burner, 9.5mm Ultrabay slim, removable	
Bay battery	None	
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access	
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive	
mSATA™ SSD	None	
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio	
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus	
Graphics	**Intel HD Graphics 4000** in processor, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort; supports dual independent display; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@75Hz (VGA)	
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight	
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass	
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch	
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions	
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm	
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)	
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy	
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication	
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr	
Chipset	**Mobile Intel QM77 Express Chipset**	
ExpressCard	One slot (ExpressCard/34)	
Smart Card Read	None	
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter	
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort (Mini DP / Thunderbolt™ combo port on i7 integrated model, switch via BIOS)	
PCIe Mini Card	Two PCI Express Mini Card slots	
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2	
PCIe WWAN	Wireless WAN upgradable	
Carrier	None	
Modem	None	
IEEE 1394	None	
Bluetooth™	Bluetooth 4.0 wireless	
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1	
Intel AMT	Intel Active Management Technology (iAMT)	
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack	
Security	Power-on password, hard disk password, supervisor password, security keyhole	
Security chip	Trusted Platform Module, TCG 1.2-compliant	
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip	
Limited warranty[12]	**3-years**/1-year battery, **limited onsite service**[24], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades[22] available	

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[5] (only some listed)

- **Windows 7 models**
• Lenovo® Message Center Plus
• ThinkVantage Product Recovery
• Access Connections™
• ThinkVantage Power Manager
• Lenovo SimpleTap
• Adobe® Reader®
• Corel® WinDVD® (DVD±RW)
• Corel Burn.Now™ Lenovo Edition (DVD±RW)
• Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

- **Windows 8 models**
• Lenovo Support
• Lenovo Companion
• Lenovo QuickLaunch
• PC Device Stage
• Cyberlink Power2Go (DVD±RW)
• Cyberlink PowerProducer (DVD±RW)

- **All models**
• Lenovo Solution Center
• Password Manager
• ThinkVantage System Update
• Fingerprint Software (fingerprint models)
• Lenovo Cloud Storage by SugarSync
• Microsoft® Office preloaded; purchase a product key to activate
• Skype™

Supports ThinkVantage® technologies

65-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Optical or battery	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/mSATA	Finger print reader	Blue-tooth	Bat-tery cells	Intel vPro	Global (G) GMP (P)	Pre-load	Ann Date (mm/yy)
2356-H9U	i5-3320M	4GBx2	14.0" HD+	720p	180G SSD	DVD±RW	None	Intel 6205[28]	WWAN upg	Finger	BT	6	vPro	G P	Pro 64	06/12
2356-H8U	i5-3320M	4GBx1	14.0" HD+	720p	320G 7200	DVD±RW	None	Intel 6205	WWAN upg	Finger	BT	6	vPro	G P	Pro 64	06/12
2356-H7U	i5-3320M	4GBx1	14.0" HD+	720p	500G 7200	DVD±RW	None	Intel 6205	WWAN upg	Finger	BT	6	vPro	G P	Pro 64	06/12

- *Part of the Global Models Plus program with limited onsite service[24] 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA NVS™ 5200M**, PCI Express® x16, **1GB** memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort or Thunderbolt (i7 integrated models); supports three independent displays; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-year battery, **limited onsite service**[24], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades[22] available

Preloaded operating system[20]
Genuine Windows® 7
Professional 64

Ready to install applications[14] (only some listed)
- Rescue and Recovery™
- Password Manager

Preloaded applications[14] (only some listed)
- Lenovo® Solution Center
- Lenovo Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- Fingerprint Software (fingerprint models)
- ThinkVantage System Update
- ThinkVantage Power Manager
- Lenovo Cloud Storage by SugarSync
- Lenovo SimpleTap
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security 2012 (30 days of virus definitions)
- Adobe® Reader®
- Skype™ for Windows
- Evernote®
- Intel Small Business Advantage
- RapidBoot HDD Accelerator
- Symantec™ VIP
- Windows Live™ Essentials
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

Supports ThinkVantage® technologies

90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

ThinkPad T430s 2356 (Optimus) - Onsite (Windows 8)

Type-model	Processor	Memory	Wide-screen display	Camera	Disk SATA GB[8] rpm	Backlit key-board	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	Finger print reader	Bat-tery cells	Global (G) Intel vPro	GMP (P)	Preload	Ann Date (mm/yy)
2356-LCU	i5-3320M	4GBx1	14.0" HD+	720p	180G SSD	None	Intel 6205[28]	WWAN upg	Finger	6	vPro	G P	Win8 Pro64	10/12
2356-LBU	i5-3320M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	Finger	6	vPro	G P	Win8 Pro64	10/12
2356-L9U	i7-3520M	4GBx1	14.0" HD+	720p	500G 7200	None	Intel 6205	WWAN upg	Finger	6	vPro		Win8 Pro64	10/12
2356-MJU	i7-3520M	4GBx1	14.0" HD+	720p	240G FDE SSD	Backlit	Intel 6205	WWAN upg	Finger	6	vPro		Win7 Pro64	12/12

- *Some models are part of the Global Models Plus program with limited onsite service[24] 3-year limited warranty*

Positioning	*Premiere performance and ultraportability; two spindles*
Processor	**Intel® Core™ i5-3320M processor (2 cores, 2.60GHz, 3MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.30GHz), HT technology **Intel Core i7-3520M processor (2 cores, 2.90GHz, 4MB cache)**, **Intel HD Graphics 4000**, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.60GHz), HT technology
Memory	16GB max[7] / PC3-12800 1600MHz DDR3, non-parity, dual-channel capable, two 204-pin SO-DIMM sockets * System automatically clocks down for processors with 1333MHz DDR3 memory controller
Optical	DVD burner, 9.5mm Ultrabay slim, removable
Bay battery	None
Ultrabay	One modular bay for interchangeable devices (right side), 9.5mm high, bottom access
SATA disk	*Some:* Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high *Some:* Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ *All:* removable, upgradable, supports the second disk, Shock Mounted Hard Drive
mSATA™ SSD	None
Widescreen display	*Some:* **14.0"** (355mm) **HD (1366x768) color**, anti-glare, LED backlight, 200 nits, 16:9 aspect ratio, 300:1 contrast ratio *Some:* **14.0"** (355mm) **HD+ (1600x900) color**, anti-glare, LED backlight, 250 nits, 16:9 aspect ratio, 300:1 contrast ratio
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus
Graphics	NVIDIA® Optimus™ technology, auto-switch between discrete and integrated graphics, **Intel HD Graphics 4000** in processor, and **NVIDIA NVS™ 5200M**, PCI Express® x16, **1GB** memory, supports external analog monitor via VGA DB-15 and digital monitor via Mini DisplayPort or Thunderbolt (i7 integrated models); supports three independent displays; *Maximum external resolution:* 2560x1600@60Hz (DisplayPort via optional Mini DP cable); 1920x1200@60Hz (single-link DVI-I via optional Mini DP cable); 2048x1536@85Hz (VGA)
Keyboard	6-row, 84-key, ThinkVantage button, spill-resistant, multimedia Fn keys, optional LED backlight
TrackPoint®	TrackPoint® pointing device, "Press-to-Select," Internet Scroll Bar[13], magnifying glass
Touchpad	UltraNav™, wide touchpad below keyboard, Tap Zones, scrolling, multi-touch
ThinkLight™	Illuminates the keyboard to improve visibility in low-light conditions
Dimensions[3]	*14.0W" (WxDxH):* 13.5" x 9.05" x 0.83–1.02"; 343mm x 230mm x 21.2–26.0mm
Weight[2]	*6-cell:* from 3.96 lb (1.79kg)
Case material	*Display cover:* Hybrid Carbon-fiber reinforced plastic; *Bottom:* Magnesium alloy
Battery - type	Lithium Ion 6-cell, supports optional Ultrabay Slim battery as 2nd battery, HW authentication
Battery - life[10]	*6-cell (43.2Whr):* up to 7.6 hr; *6-cell plus 3-cell Bay battery (31.3Whr, 0A36310):* up to 13.2 hr
Chipset	**Mobile Intel QM77 Express Chipset**
ExpressCard	One slot (ExpressCard/34)
Smart Card Read	None
Multicard Reader	4-in-1 reader (MMC, SD, SDHC, SDXC) via ExpressCard adapter
Ports	Two USB 3.0, one powered USB 2.0, ethernet (RJ-45), VGA DB-15, Mini DisplayPort
PCIe Mini Card	Two PCI Express Mini Card slots
PCIe WLAN[4]	11a/b/g/n, PCIe Half Mini Card, Intel Centrino® Advanced-N 6205, 2x2
PCIe WWAN	Wireless WAN upgradable
Carrier	None
Modem	None
IEEE 1394	None
Bluetooth™	Bluetooth 4.0 wireless
Ethernet	Intel 82579LM Gigabit Network Connection (Lewisville), PHY, PCIe x1
Intel AMT	Intel Active Management Technology (iAMT)
Audio support	HD Audio, Realtek® ALC3202 codec, Dolby® Home Theater® v4 / stereo speakers, 1W x 2 / volume up, down, mute buttons / dual array mic, mic mute button, combo audio/mic jack
Security	Power-on password, hard disk password, supervisor password, security keyhole
Security chip	Trusted Platform Module, TCG 1.2-compliant
Fingerprint reader	AuthenTec fingerprint reader on palm rest, swipe sensor, LED indicator, Power On Authentication, supports the security chip
Limited warranty[12]	**3-years**/1-year battery, **limited onsite service**[24], 8 am - 5 pm, Mon - Fri coverage excluding holidays, next business day response time / service upgrades[22] available

Preloaded operating system[20]
- *Some:* Windows® 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64-bit
- *Some:* Windows 8 Pro 64-bit

Preloaded applications[5] (only some listed)

- Windows 7 models
- Lenovo® Message Center Plus
- ThinkVantage Product Recovery
- Access Connections™
- ThinkVantage Power Manager
- Lenovo SimpleTap
- Adobe® Reader®
- Corel® WinDVD® (DVD±RW)
- Corel Burn.Now™ Lenovo Edition (DVD±RW)
- Corel DVD MovieFactory® Lenovo Edition (DVD±RW)

- Windows 8 models
- Lenovo Support
- Lenovo Companion
- Lenovo QuickLaunch
- PC Device Stage
- Cyberlink Power2Go (DVD±RW)
- Cyberlink PowerProducer (DVD±RW)

- All models
- Lenovo Solution Center
- Password Manager
- ThinkVantage System Update
- Fingerprint Software (fingerprint models)
- Lenovo Cloud Storage by SugarSync
- Microsoft® Office preloaded; purchase a product key to activate
- Norton™ Internet Security (30 days of virus definitions)
- Skype™

Supports ThinkVantage® technologies

90-watt AC adapter
ThinkPad Roll Cage (one-piece magnesium frame)
EPEAT™ Silver rating
ENERGY STAR® 5.0-compliant
GREENGUARD® certified
RoHS-compliant
International Warranty Service[17]
24 hour x 7 day[18] toll-free support during the warranty period[12]

For compatible accessories, please go to O-T430-S sheet;

For Lenovo service[22] upgrade options, please go to QP-TA sheet

See footnotes for more detailed information

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ThinkPad T430s Accessories

Memory
2GB PC3-12800 DDR3 SODIMM	0A65722	*ann*	*06/05/12*
4GB PC3-12800 DDR3 SODIMM	0A65723	*ann*	*06/05/12*
8GB PC3-12800 DDR3 SODIMM	0A65724	*ann*	*06/05/12*

Ultrabay Slim 9.5mm
Serial ATA Hard Drive 9.5mm Bay Adapter III	43N3412	*ann*	*06/23/09*
DVD ROM Ultrabay Slim Drive III	0A65628	*ann*	*06/05/12*
DVD Burner Ultrabay Slim Drive III	0A65626	*ann*	*06/05/12*

Storage and removable storage
ThinkPad 16GB mSATA Solid State Cache Drive	0B47309	*ann*	*12/11/12*
500GB 5400rpm SATA 3.0Gb/s 7mm 4K HDD[41]	0A65631	*ann*	*06/05/12*
500GB 7200rpm SATA 3.0Gb/s 7mm 4K HDD[41]	0A65632	*ann*	*06/05/12*
320GB 7200rpm SATA 3.0Gb/s 7mm 4K HDD[41]	0A65635	*ann*	*06/05/12*
320GB 7200rpm SATA 3.0Gb/s 7mm			
Self Encrypting (SED) OPAL Capable HDD[41]	0A65636	*ann*	*08/21/12*
128GB SATA 6.0Gb/s 7mm Solid State Drive[41]	0A65629	*ann*	*06/05/12*
180GB SATA 6.0Gb/s 7mm Solid State Drive[41]	0A65630	*ann*	*06/05/12*
256GB 2.5" SATA 6.0Gb/s OPAL-capable SSD[41]	0A65620	*ann*	*05/15/12*

[41] Can be used as the main HDD or with
Serial ATA Hard Drive 9.5mm Bay Adapter III 43N3412 in the Ultrabay.

USB 2.0 Portable 500GB Hard Disk	45K1690	*ann*	*05/26/09*
USB 3.0 Secure 500GB Hard Drive	0A65619	*ann*	*11/29/11*
USB 3.0 Secure 750GB Hard Drive	0A65616	*ann*	*11/29/11*
USB 3.0 Secure 1TB Hard Drive	0A65621	*ann*	*08/28/12*
Lenovo Slim USB Portable DVD Burner	0A33988	*ann*	*06/14/11*

Wireless WAN (Mini PCI Express)
Only WWAN upgradable models:
ThinkPad Gobi™ 3000 Mobile Broadband	0A36185	*ann*	*04/12/11*
ThinkPad Gobi 4000 Mobile Broadband - AT&T®	0A36320	*ann*	*06/05/12*
ThinkPad Gobi 4000 Mobile Broadband - Verizon®	0A36318	*ann*	*06/26/12*

ThinkPad Expansion
Lenovo® Essential Notebook Stand	45J9292	*ann*	*05/12/09*
ThinkPad Port Replicator Series 3 with USB 3.0	433615W	*ann*	*06/05/12*
ThinkPad Mini Dock Series 3 - 90W	433710U	*ann*	*06/23/09*
ThinkPad Mini Dock Series 3 w/ USB 3.0 - 90W	433715U	*ann*	*06/05/12*
TP Mini Dock Plus Series 3 w/ USB 3.0 - 90W	433815U	*ann*	*06/05/12*
TP Mini Dock Plus Series 3 w/ USB 3.0 - 170W	433835U	*ann*	*06/05/12*

Keyboard
TrackPoint Cap Collection	73P2698	*ann*	*12/16/03*
Ultraslim Plus Wireless Keyboard and Mouse[52]	0A34032	*ann*	*04/05/11*
USB Numeric Keypad	33L3225	*ann*	*05/01/00*
Preferred Pro USB Keyboard	73P5220	*ann*	*06/21/05*
Enhanced Performance USB Keyboard	73P2620	*ann*	*03/23/04*
ThinkPad USB Keyboard with TrackPoint	55Y9003	*ann*	*08/18/09*
Lenovo® USB Fingerprint Keyboard	73P4730	*ann*	*02/22/05*
Lenovo USB Smartcard Keyboard	51J0155	*ann*	*03/24/09*

[52] Wireless via 2.4GHz technology using a micro-size USB receiver.

Mouse
Lenovo Optical Mouse (USB)	06P4069	*ann*	*05/21/03*
Lenovo Laser Mouse (USB)	41U3074	*ann*	*01/23/07*
ThinkPad USB Laser Mouse	57Y4635	*ann*	*12/15/09*
Lenovo ScrollPoint® Mouse (USB, Optical)	31P7405	*ann*	*08/27/02*
ThinkPad Travel Mouse (USB, Optical)	31P7410	*ann*	*06/04/02*
ThinkPad Bluetooth Laser Mouse	0A36407	*ann*	*06/26/12*
Lenovo Wireless Laser Mouse[52]	0A36188	*ann*	*12/20/11*

Multimedia
ThinkPad In-Ear Headphones with microphone	57Y4488	*ann*	*01/07/10*

Modem
USB 2.0 Lenovo Modem	43R1814	*ann*	*02/26/08*

Security
3M 14.0W Privacy Filter from Lenovo	0A61769	*ann*	*04/05/11*
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*
USB Gemplus GemPC Smart Card Reader	41N3040	*ann*	*02/21/06*

Batteries
ThinkPad Battery 81+ (6-cell)	0A36309	*ann*	*06/05/12*
ThinkPad Battery 43 (3-cell, bay)[42]	0A36310	*ann*	*06/05/12*

[42] Used in Ultrabay Slim bay.
ThinkPad External Battery Charger[44]	40Y7625	*ann*	*09/20/05*

[44] Requires the *ThinkPad 90W AC Adapter*
40Y7659 or the adapter provided with the system.

More information at **www.lenovo.com/alldaycomputing**

ThinkPad 65W AC Adapter[45]	40Y7696	*ann*	*01/05/06*

[45] Only compatible with the integrated graphics models.
ThinkPad 90W AC Adapter	40Y7659	*ann*	*09/20/05*
90W Ultraslim AC/DC Combo Adapter	41R4493	*ann*	*09/22/09*

More info at **www.lenovo.com/support/poweradapters**

Charging tips for 90W Ultraslim AC/DC Combo Adapter 41R4493
•iPod and iPhone Charge Tip (L10a)	41R4481	*ann*	*12/18/07*
•Generic Micro USB charge tip (L18)	41R4490	*ann*	*01/06/09*

More information at **www.lenovopowertips.com**

Carrying Cases
Up to 14" widescreen models:
ThinkPad Ultralight Backpack	0B47306	*ann*	*12/11/12*
ThinkPad Ultralight Topload	0B47307	*ann*	*12/11/12*

Up to 15.6" widescreen models:
Lenovo Messenger Max	41U5253	*ann*	*05/01/07*
Lenovo Performance BackPack	41U5254	*ann*	*05/01/07*
ThinkPad Business Topload Case	43R2476	*ann*	*05/13/08*
ThinkPad Business Backpack	43R2482	*ann*	*05/13/08*
ThinkPad Deluxe Expander Case	43R2478	*ann*	*05/13/08*
ThinkPad Executive Leather Case	43R2480	*ann*	*05/13/08*
Lenovo Sport Backpack - Red	0A33896	*ann*	*02/28/12*
Lenovo Sport Slimcase - Red	0A33897	*ann*	*02/28/12*
Lenovo Sport Messenger - Red	0A33898	*ann*	*02/28/12*

More information at **www.lenovo.com/support/cases**

Monitors
ThinkVision LT1952p Wide 19" (VGA, DP, DVI-D)[69]	2448MB6	*ann*	*09/13/11*
ThinkVision L2251x Wide 22" (VGA, DP)[69]	2578HB6	*ann*	*10/20/09*

[69] DisplayPort cable is not included.
ThinkVision LT1421 Wide 14" Mobile Monitor			
with Protective Screen Cover (USB 2.0)	1452DS6	*ann*	*08/16/11*
ThinkVision LT1421 Wide 14" Mobile Monitor			
with Protective Case (USB 2.0)	1452DB6	*ann*	*08/16/11*

More information at **www.lenovo.com/support/monitors**
www.lenovo.com/support/thinkpad/optimus-monitors

Monitor Accessories[46]
Lenovo USB 3.0 to DVI/VGA Monitor Adapter	0B47072	*ann*	*08/14/12*
Lenovo Mini-DisplayPort to VGA Monitor Cable	0A36536	*ann*	*05/17/11*
Mini-DisplayPort to Single-link DVI Monitor Cable	0B47090	*ann*	*06/26/12*
Mini-DisplayPort to DisplayPort Monitor Cable	0B47091	*ann*	*07/24/12*
Lenovo USB Soundbar	0A36190	*ann*	*05/01/12*
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 Lenovo and ThinkVision monitors.

More information at **www.lenovo.com/support/monitoraccessories**

For more information on accessories:
www.lenovo.com/accessories
  Purchase Lenovo accessories

www.lenovo.com/support/accessories
  Product specifications on Lenovo Support

www.lenovo.com/accessoriesguide
  Option Compatibility Matrix (OCM) and accessory brochures

www.lenovoquickpick.com
  An Options Compatibility Configurator for Lenovo systems