

ThinkPad Twist S230u

ThinkPad®



Lenovo® ThinkPad Twist S230u
(Tent Mode)



Lenovo® ThinkPad Twist S230u
(Tablet Mode)



Lenovo® ThinkPad Twist S230u
(Notebook Mode)



Lenovo® ThinkPad Twist S230u
(Stand Mode)



Lenovo® ThinkPad Twist S230u



Lenovo® ThinkPad Twist S230u

ThinkPad Twist S230u (3347) - TopSeller

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁹ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
3347-4TG	i3-2375M	2GB	12.5" HD Multi	720p	320G 7200	Intel 2230	16GB	None	Black	BT	8	Win8 64	01/13

- **Small and medium business (SMB) model(s), part of the WE TopSeller™ Program**
- **A depot repair service 1-year limited warranty**

Positioning Processor	Convertible tablet; one spindle Intel® Core™ i3-2375M processor (2 cores, 1.50GHz, 3MB cache), Intel HD Graphics 3000, DDR3 memory controller (up to 1333MHz), HT technology		Preloaded operating system ²⁰ - Windows® 8 64-bit Preloaded applications ¹⁴ (only some listed) <ul style="list-style-type: none">• Lenovo Support• Lenovo Companion• Lenovo Cloud Storage• Password Manager• Fingerprint Software (fingerprint models)• ThinkVantage System Update• Norton™ Internet Security (30 days of virus definitions)• Microsoft Office preloaded; purchase a product key to activate• Skype™
Memory	2G / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets		
Optical SATA disk	None <i>Some:</i> Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" wide, 7mm high <i>Some:</i> Hard Disk Drive / SATA 3.0Gb/s, 2.5" wide, 7mm high, Active Protection System™ <i>All:</i> removable, upgradable		
mSATA™ SSD	16GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot		
Widescreen display	12.5" (317.5mm) HD (1366x768) TFT color , smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge <i>Bottom buttons:</i> volume up / down and Windows buttons <i>Side buttons:</i> power and auto rotation buttons		
Multi-touch Camera	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus		
Graphics	Intel HD Graphics 3000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; <i>Maximum external resolution:</i> 2560x1600 (Mini DisplayPort) @60Hz; 1920x1200 (Mini HDMI) @60Hz		
Keyboard TrackPoint®	6-row, 83-key, spill-resistant, multimedia Fn keys TrackPoint pointing device		
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch		
Light sensor	Ambient light sensor		
ThinkLight™	None		
Dimensions ³	<i>8-cell:</i> 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm		
Weight ²	<i>8-cell:</i> from 3.50 lb (1.60kg)		
Case material	<i>Display cover:</i> Magnesium + Polyphenylene sulfide (PPS); Integrated Li-Polymer 8-cell, HW Authentication		
Battery - type	None		
Extended Battery	None		
Battery - life ¹⁰	<i>8-cell (42.4Whr):</i> up to 6.0 hr		
Chipset	Mobile Intel HM77 Express Chipset		
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)		
ExpressCard	None		
Smart Card Read	None		
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)		
PCIe Mini Card	Two PCI Express Mini Card slots		
PCIe WLAN ⁴	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter		
PCIe WWAN	None		
SIM card	None		
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card		
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1		
Intel AMT	None		
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, 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	None		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

See footnotes for more detailed information
WE model(s) announced January 1, 2013

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ThinkPad Twist S230u (3347) - TopSeller (Ultrabook)

Product Specifications Reference (PSREF)

Type-model	Processor	Memory	Widescreen display	Camera	Disk SATA GB ⁹ rpm	PCIe Mini Card WLAN	PCIe Mini Card WWAN/ mSATA	SIM card	Top color	Blue-tooth	Bat-tery cells	Preload	Ann date (mm/yy)
3347-29G	i7-3517U	8GB	12.5" HD <i>Multi</i>	720p	128G SSD	Intel 2230	Ericsson	Selectable	Black	BT	8	Win8 Pro64	10/12
3347-28G	i7-3517U	8GB	12.5" HD <i>Multi</i>	720p	128G SSD	Intel 2230	Ericsson	Selectable	Black	BT	8	Win8 64	10/12
3347-27G	i5-3317U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	10/12
3347-26G	i5-3317U	4GB	12.5" HD <i>Multi</i>	720p	500G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 64	10/12
3347-4PG	i3-3217U	4GB	12.5" HD <i>Multi</i>	720p	320G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 Pro64	12/12
3347-4NG	i3-3217U	4GB	12.5" HD <i>Multi</i>	720p	320G 7200	Intel 2230	24GB	None	Black	BT	8	Win8 64	12/12
3347-8TG	i3-3217U	4GB	12.5" HD <i>Multi</i>	720p	128G SSD	Intel 2230	Ericsson	Selectable	Black	BT	8	Win8 Pro64	08/13

- **Small and medium business (SMB) model(s), part of the WE TopSeller™ Program**
- **A depot repair service 1-year limited warranty**

Positioning Processor	Convertible tablet ultrabook™; one spindle Intel® Core™ i3-3217U processor (2 cores, 1.80GHz, 3MB cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), HT technology Intel Core i5-3317U processor (2 cores, 1.70GHz, 3MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (2.60GHz), HT technology Intel Core i7-3517U processor (2 cores, 1.90GHz, 4MB Cache), Intel HD Graphics 4000, DDR3 memory controller (up to 1600MHz), Intel Turbo Boost 2.0 (3.00GHz), HT technology		Preloaded operating system ²⁰ - Some: Windows® 8 64-bit - Some: Windows 8 Pro 64-bit Preloaded applications ¹⁴ (only some listed) • Lenovo Support • Lenovo Companion • Lenovo Cloud Storage • Password Manager • Fingerprint Software (fingerprint models) • ThinkVantage System Update • Norton™ Internet Security (30 days of virus definitions) • Microsoft Office preloaded; purchase a product key to activate • Skype™
Memory	4GB or 8GB / PC3-10600 1333MHz DDR3 / soldered to systemboard, no SO-DIMM sockets		Supports ThinkVantage® technologies 65-watt AC Adapter EPEAT™ Gold 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
Optical	None		
SATA disk	None 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		
mSATA™ SSD	Some: 24GB mSATA Solid State Drive (SSD), via PCIe Mini Card slot		
Widescreen display	12.5" (317.5mm) HD (1366x768) TFT color, smudgeless and anti-reflective display with Corning® Gorilla® Glass, LED backlight, 350 nits, 16:9 aspect ratio, 500:1 contrast ratio, IPS, rotate and swivel hinge Bottom buttons: volume up / down and Windows buttons Side buttons: power and auto rotation buttons		
Multi-touch	Projected Capacitive Touch (PCT) technology, supports 5-point multi-touch		
Camera	HD720p resolution, wide view angle, low light sensitive, face tracking, fixed focus		
Graphics	Intel HD Graphics 4000 in processor, supports external digital monitor via Mini HDMI and Mini DisplayPort; supports dual independent display; Maximum external resolution: 2560x1600 (Mini DisplayPort) @60Hz; 1920x1200 (Mini HDMI) @60Hz		
Keyboard	6-row, 83-key, spill-resistant, multimedia Fn keys		
TrackPoint®	TrackPoint pointing device		
Touchpad	UltraNav™, buttonless touchpad below keyboard, Tap Zones, multi-touch		
Light sensor	Ambient light sensor		
ThinkLight™	None		
Dimensions ³	8-cell: 12.32" x 9.29" x 0.79"; 313mm x 236mm x 20mm		
Weight ²	8-cell: from 3.50 lb (1.60kg)		
Case material	Display cover: Magnesium + Polyphenylene sulfide (PPS); Bottom: Magnesium + PPS		
Battery - type	Integrated Li-Polymer 8-cell, HW Authentication		
Extended Battery	None		
Battery - life ¹⁰	8-cell (42.4Whr): up to 6.0 hr		
Chipset	Mobile Intel HM77 Express Chipset		
Multicard Reader	4-in-1 reader (SD, SDHC, SDXC, MMC)		
ExpressCard	None		
Smart Card Read	None		
Ports	Two USB 3.0, external monitor (mini-HDMI, mini-DisplayPort), ethernet (RJ-45)		
PCIe Mini Card	Two PCI Express Mini Card slots		
PCIe WLAN ⁴	11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 2230, 2x2, Wi-Fi + BT combo adapter		
PCIe WWAN	Some: Wireless WAN, Ericsson® H5321gw Mobile Broadband Module, PCIe Half Mini Card, GPRS/WCDMA/HSPA/HSPA+, GPS		
SIM card	Some: User selectable, contract required with service provider		
Modem	None		
Bluetooth™	Bluetooth 4.0 wireless, integrated in WLAN PCIe Half Mini Card		
Ethernet	Gigabit Network Connection Realtek® RTL8111F, PHY, PCIe x1		
Intel AMT	None		
Audio support	High Definition (HD) Audio, Realtek ALC3202 codec / stereo speakers, 2 watt x 2, Dolby® Home Theater® v4 certified / volume up, down, mute buttons / dual array microphone, 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	None		
Limited warranty ¹²	1-year - depot repair service / service upgrades ²² available		

See footnotes for more detailed information

WE model(s) announced October 23 or December 4, 2012; August 20, 2013

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