



## Lenovo ThinkPad S440 Intel® Core™ i5 i5-4200U Laptop 35.6 cm (14") HD+ 8 GB DDR3-SDRAM 256 GB SSD Wi-Fi 4 (802.11n) Windows 7 Professional



**Brand :** Lenovo

**Product family:** ThinkPad

**Product code:** 20AY007PMZ

**Product name :** S440

Intel Core i5-4200U (1.6 GHz), 8GB DDR3 RAM, 256GB SSD, 14" HD+ (1600x900), Intel HD Graphics 4400, WLAN 802.11 b/g/n, Gigabit Ethernet, Bluetooth 4.0, Windows 7 Professional 64-bit/Windows 8 Pro  
Lenovo ThinkPad S440. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor: i5-4200U, Processor frequency: 1.6 GHz. Display diagonal: 35.6 cm (14"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 7 Professional. Weight: 1.78 kg



Design		Keyboard	
Product type *	Laptop	Spill-resistant keyboard	✓
Form factor *	Clamshell	Full-size keyboard	✓
Display		Windows keys	✓
Display diagonal *	35.6 cm (14")	Software	
Display resolution *	1600 x 900 pixels	Operating system architecture	64-bit
Touchscreen *	✗	Recovery operating system	Windows 8 Pro
HD type	HD+	Operating system installed *	Windows 7 Professional
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel Wireless Display (WiDi) Technology	✓
Display brightness	250 cd/m²	Intel My WiFi Technology	✓
Processor		Intel Smart Connect Technology	✓
Processor manufacturer *	Intel	Intel Anti-Theft Technology	✓
Processor family *	Intel® Core™ i5	Intel® Rapid Start Technology	✗
Processor generation	4th gen Intel® Core™ i5	Intel® Smart Response Technology	✗
Processor *	i5-4200U	Intel Identity Protection Technology	✓
Processor number of cores	2	Intel Hyper-Threading Technology	✓
Processor threads	4	Intel Turbo Boost Technology	2.0
Processor boost frequency	2.6 GHz	Intel Matrix Storage Technology	✗
Processor frequency *	1.6 GHz	Intel HD Audio Technology	✓
Processor cache	3 MB	Intel Active Management Technology	✗
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Processor socket	BGA 1168	Intel Clear Video HD Technology	✓
Processor lithography	22 nm	Intel Clear Video Technology	✗
Processor operating modes	64-bit	Intel® InTru™ 3D Technology	✓
Processor series	Intel Core i5-4200 Mobile series	Intel® Insider™	✓
Processor codename	Haswell	Intel® Quick Sync Video Technology	✓
Bus type	DMI2	Intel Flex Memory Access	✗
FSB Parity	✗	Intel AES New Instructions	✓
Stepping	C0	Intel Trusted Execution Technology	✗
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		
PCI Express slots version	2.0		

Processor		Processor special features	
PCI Express configurations	1x4, 2x4	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR3-SDRAM	Intel TSX-NI	✗
Memory clock speed	1600 MHz	Intel Clear Video Technology for MID	✗
Memory layout (slots x size)	1 x 8 GB	Intel 64	✓
Memory slots	1x SO-DIMM	Execute Disable Bit	✓
Memory, maximum *	8 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	256 GB	Processor package size	40 x 24 x 1.5 mm
Storage media *	SSD	Supported instruction sets	AVX 2.0
Number of SSDs installed	1	Processor code	SR170
Solid-state drive capacity	256 GB	CPU configuration (max)	1
Optical drive *	✗	Embedded options available	✗
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Smart Connect Technology version	1.00
Graphics		Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Secure Key Technology version	1.00
On-board graphics card family	Intel® HD Graphics	Intel ME Firmware Version	9.5
On-board graphics card model *	Intel® HD Graphics 4400	Intel TSX-NI version	0.00
On-board graphics card base frequency	200 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card dynamic frequency (max)	1000 MHz	Intel Dual Display Capable Technology	✗
Maximum on-board graphics card memory	1.74 GB	Intel FDI Technology	✗
On-board graphics card DirectX version	12	Intel Rapid Storage Technology	✓
On-board graphics card ID	0xA16	Intel Fast Memory Access	✗
Audio		Processor ARK ID	75459
Audio system	Dolby Home Theater	Conflict-Free processor	✓
Number of built-in speakers	2	Battery	
Built-in microphone	✓	Number of battery cells	4
Camera		Battery life (max)	9 h
Front camera	✓	Power	
Front camera resolution	1280 x 720 pixels	DC-in jack	✓
Network		Security	
Wi-Fi	✓	Cable lock slot	✓
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Fingerprint reader	✓
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN connection	✓	Width	333 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	225 mm
Bluetooth	✓	Height	20.5 mm
Bluetooth version	4.0	Weight *	1.78 kg
Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1	Manual	✓
HDMI ports quantity *	1	Power cord included	✓
DVI port	✗	Other features	
S/PDIF out port	✗	LightScribe	✗
Microphone in	✗	Maximum internal memory (64-bit)	8 GB
Combo headphone/mic port	✓		
Docking connector	✗		
ExpressCard slot	✗		

**Ports & interfaces**

CardBus PCMCIA slot type	×
SmartCard slot	×
Total number of SATA connectors	4
Number of SATA III connectors	4

**Keyboard**

Pointing device	ThinkPad UltraNav
Numeric keypad *	×

## Catalog Object Cloud



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