



**Lenovo ThinkPad T440 Intel® Core™ i5 i5-4200U 35,6 cm (14") HD+ 4 GB DDR3-SDRAM 516 GB HDD+SSD Windows 7 Professional**



**Brand :** Lenovo

**Product family:** ThinkPad

**Product code:** 20B60061MD

**Product name :** T440

Design		Keyboard	
Product type *	Laptop	Windows keys	✓
Product colour *	Black	Built-in touchpad	✓
Form factor *	Clamshell		
Display		Software	
Display diagonal *	35.6 cm (14")	Operating system architecture	64-bit
Display resolution *	1600 x 900 pixels	Operating system installed *	Windows 7 Professional
Touchscreen *	✗		
HD type	HD+	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	Intel® My WiFi Technology (Intel® MWT)	✓
Display brightness	250 cd/m²	Intel Smart Connect Technology	✓
Dual-screen	✗	Intel® Anti-Theft Technology (Intel® AT)	✓
Contrast ratio (typical)	400:1	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Core™ i5	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor generation	4th gen Intel® Core™ i5	Intel® High Definition Audio (Intel® HD Audio)	✓
Processor model *	i5-4200U	Enhanced Intel SpeedStep Technology	✓
Processor cores	2	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	4	Intel Clear Video Technology	✗
Processor boost frequency	2.6 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	1.6 GHz	Intel® Insider™	✓
Processor cache	3 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✗
Processor socket	BGA 1168	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	22 nm	Intel Trusted Execution Technology	✗
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor series	Intel Core i5-4200 Mobile series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Haswell	Intel Demand Based Switching	✗
Bus type	DMI2		
FSB Parity	✗		
Stepping	C0		
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® Secure Key	✓
ECC supported by processor	✗	Intel TSX-NI	✗
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory *	4 GB	Intel 64	✓
Internal memory type	DDR3-SDRAM	Execute Disable Bit	✓
Memory clock speed	1600 MHz	Idle States	✓
Maximum internal memory *	8 GB	Thermal Monitoring Technologies	✓
Storage		Processor package size	40 x 24 x 1.5 mm
Total storage capacity *	516 GB	Supported instruction sets	AVX 2.0
Storage media *	HDD+SSD	Processor code	SR170
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	500 GB	Embedded options available	✗
HDD interface	SATA II	Intel Virtualization Technology for Directed I/O (VT-d)	✗
HDD speed	7200 RPM	Intel Smart Connect Technology version	1.00
HDD size	2.5"	Intel Identity Protection Technology version	1.00
Number of SSDs installed	1	Intel Secure Key Technology version	1.00
SSD capacity	16 GB	Intel ME Firmware Version	9.5
Optical drive type *	✗	Intel TSX-NI version	0.00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Dual Display Capable Technology	✗
Graphics		Intel FDI Technology	✗
On-board graphics card *	✓	Intel Rapid Storage Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel Fast Memory Access	✗
On-board graphics card model *	Intel® HD Graphics 4400	Processor ARK ID	75459
On-board graphics card base frequency	200 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1000 MHz	Battery	
Maximum on-board graphics card memory	1.74 GB	Number of battery cells	3
On-board graphics card DirectX version	12	Battery life (max)	8.6 h
On-board graphics card ID	0xA16	Power	
Audio		AC adapter power	45 W
Audio system	Dolby Home Theater v4	AC adapter frequency	50 - 60 Hz
Number of built-in speakers	2	AC adapter input voltage	100 - 240 V
Speaker power	2 W	DC-in jack	✓
Built-in microphone	✓	Security	
Camera		Cable lock slot	✓
Front camera	✓	Fingerprint reader	✓
Front camera resolution	1280 x 720 pixels	Trusted Platform Module (TPM)	✓
Network		Password protection	✓
Wi-Fi	✓	Password protection type	HDD, Power on, Supervisor
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Certificates	
Ethernet LAN	✓	Compliance certificates	RoHS
Ethernet LAN data rates	10,100,1000 Mbit/s	Sustainability	
Bluetooth	✓	Sustainability certificates	EPEAT Gold, ENERGY STAR
Bluetooth version	4.0	Weight & dimensions	
Ports & interfaces		Width	339 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Depth	232.5 mm
Ethernet LAN (RJ-45) ports	1	Height	21 mm
Mini DisplayPorts quantity	1	Weight *	1.68 kg
DVI port	✗		
VGA (D-Sub) ports quantity	1		
Headphone outputs	1		
S/PDIF out port	✗		

Ports & interfaces		Packaging content	
Microphone in	✓	AC adapter included *	✓
Combo headphone/mic port	✓	Manual	✓
Docking connector	✓	Quick start guide	✓
ExpressCard slot	✗	Power cord included	✓
CardBus PCMCIA slot type	✗	Other features	
SmartCard slot	✗	LightScribe	✗
Total number of SATA connectors	4	TV tuner integrated	✗
Number of SATA III connectors	4	64-bit computing	✓
USB Sleep-and-Charge	✓	Intel segment tagging	Home office, Small Business
USB Sleep-and-Charge ports	1		
Keyboard			
Numeric keypad *	✗		
Spill-resistant keyboard	✓		

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