



Lenovo ThinkPad T440s Intel® Core™ i7 i7-4600U Laptop 35.6 cm (14") Full HD 8 GB DDR3-SDRAM 256 GB SSD Windows 8 Pro Black

Brand : Lenovo

Product family: ThinkPad

Product code: 20AR0018US



Product name : ThinkPad T440s

Intel Core i7-4600U (2.1 GHz), 8GB RAM, 256GB SSD, 14.0" FHD (1920x1080), Intel HD Graphics 4400, Bluetooth 4.0, Windows 8 Pro 64

Lenovo ThinkPad T440s. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4600U, Processor frequency: 2.1 GHz. Display diagonal: 35.6 cm (14"), HD type: Full HD, Display resolution: 1920 x 1080 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 8 Pro. Product colour: Black

Design		Processor special features	
Product type *	Laptop	Intel® Wireless Display (Intel® WiDi)	✓
Product colour *	Black	Intel® My WiFi Technology (Intel® MWT)	✗
Form factor *	Clamshell	Intel Smart Connect Technology	✓
Display		Intel® Anti-Theft Technology (Intel® AT)	✓
Display diagonal *	35.6 cm (14")	Intel® Smart Response Technology	✓
Display resolution *	1920 x 1080 pixels	Intel® Identity Protection Technology (Intel® IPT)	✓
Touchscreen *	✗	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
HD type	Full HD	Intel® Turbo Boost Technology	2.0
Panel type	IPS	Intel® Small Business Advantage (Intel® SBA)	✓
LED backlight	✓	Intel® Matrix Storage Technology (Intel® MST)	✓
Native aspect ratio	16:9	Intel® High Definition Audio (Intel® HD Audio)	✓
Display brightness	300 cd/m²	Enhanced Intel SpeedStep Technology	✓
Dual-screen	✗	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Contrast ratio (typical)	700:1	Intel Clear Video Technology	✗
Processor		Intel® InTru™ 3D Technology	✓
Processor manufacturer *	Intel	Intel® Insider™	✓
Processor family *	Intel® Core™ i7	Intel® Quick Sync Video Technology	✓
Processor generation	4th gen Intel® Core™ i7	Intel Flex Memory Access	✗
Processor model *	i7-4600U	Intel® Smart Cache	✓
Processor cores	2	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	4	Intel Trusted Execution Technology	✓
Processor boost frequency	3.3 GHz	Intel Enhanced Halt State	✓
Processor frequency *	2.1 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	5 GT/s	Intel Demand Based Switching	✗
Processor cache	4 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel TSX-NI	✗
Processor socket	BGA 1168	Intel Stable Image Platform Program (SIPP)	✓
Processor lithography	22 nm	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Processor operating modes	64-bit		
Processor series	Intel Core i7-4600 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	✗		
Stepping	D0		
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		
PCI Express slots version	2.0		
PCI Express configurations	4x1, 2x4		

Processor		Processor special features	
ECC supported by processor	✗	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	8 GB	Idle States	✓
Internal memory type	DDR3-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	1600 MHz	Processor package size	40 x 24 x 1.5 mm
Maximum internal memory *	12 GB	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		Processor code	SR1EA
Total storage capacity *	256 GB	CPU configuration (max)	1
Storage media *	SSD	Embedded options available	✗
Number of SSDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✓
SSD capacity	256 GB	Intel Smart Connect Technology version	1.00
SSD interface	SATA II	Intel Identity Protection Technology version	1.00
Optical drive type *	✗	Intel Smart Response Technology version	1.00
Card reader integrated	✓	Intel Stable Image Platform Program (SIPP) version	1.00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Secure Key Technology version	1.00
Graphics		Intel Small Business Advantage (SBA) version	1.00
On-board graphics card *	✓	Intel ME Firmware Version	9.5
On-board graphics card family	Intel® HD Graphics	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® HD Graphics 4400	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	200 MHz	Intel Dual Display Capable Technology	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Intel FDI Technology	✓
Maximum on-board graphics card memory	1.74 GB	Intel Rapid Storage Technology	✓
On-board graphics card DirectX version	11.2/12	Intel Fast Memory Access	✗
On-board graphics card OpenGL version	4.3	Processor ARK ID	76616
On-board graphics card ID	0xA16	Conflict-Free processor	✓
Audio		Battery	
Audio system	Dolby Home Theater v4	Number of battery cells	3
Number of built-in speakers	2	Battery life (max)	8.4 h
Speaker power	1 W	Power	
Built-in microphone	✓	AC adapter power	45 W
Camera		AC adapter frequency	50 - 60 Hz
Front camera	✓	AC adapter input voltage	100 - 240 V
Front camera resolution	1280 x 720 pixels	DC-in jack	✓
Network		Security	
Ethernet LAN	✓	Cable lock slot	✗
Ethernet LAN data rates	10,100,1000 Mbit/s	Fingerprint reader	✓
Bluetooth	✓	Trusted Platform Module (TPM)	✓
Bluetooth version	4.0	Password protection	✓
Ports & interfaces		Certificates	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Compliance certificates	RoHS
Ethernet LAN (RJ-45) ports	1	Sustainability	
Mini DisplayPorts quantity	1	Sustainability certificates	EPEAT Gold, ENERGY STAR
DVI port	✗	Weight & dimensions	
Mini DisplayPort/Thunderbolt combo port	✗	Width	331 mm
VGA (D-Sub) ports quantity	1	Depth	226 mm
LAN/VGA combo port	✗	Height	20.6 mm
Headphone outputs	1	Weight *	1.59 kg
Microphone in	✓	Packaging content	
Combo headphone/mic port	✓	AC adapter included *	✓
Docking connector	✓		

Ports & interfaces		Packaging content	
ExpressCard slot	✗	Manual	✓
CardBus PCMCIA slot type	✗	Quick start guide	✓
Headphone connectivity	3.5 mm	Power cord included	✓
Microphone connectivity	3.5 mm	Other features	
Number of SATA III connectors	4	LightScribe	✗
USB Sleep-and-Charge	✓	TV tuner integrated	✗
USB Sleep-and-Charge ports	1	64-bit computing	✓
Keyboard		Intel segment tagging	Home office, Small Business
Pointing device	ThinkPad UltraNav		
Numeric keypad *	✗		
Keyboard backlit	✓		
Spill-resistant keyboard	✓		
Windows keys	✓		
Built-in touchpad	✓		
Software			
Operating system architecture	64-bit		
Operating system installed *	Windows 8 Pro		

Catalog Object Cloud



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