



Lenovo ThinkPad P50s Intel® Core™ i7 i7-6600U Mobile workstation 39,6 cm (15.6") 8 GB DDR3L-SDRAM 256 GB SSD NVIDIA® Quadro® M500M Windows 10 Home Black

Brand : Lenovo

Product family: ThinkPad

Article code: 20FLCTO1WW

Product name : P50s

Lenovo ThinkPad P50s. Product type: Mobile workstation, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-6600U, Processor frequency: 2,6 GHz. Display diagonal: 39,6 cm (15.6"), Display resolution: 2880 x 1620 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 520, Discrete graphics card model: NVIDIA® Quadro® M500M. Operating system installed: Windows 10 Home. Product color: Black



Design		Keyboard	
Product type *	Mobile workstation	Numeric keypad *	✓
Product color *	Black	Spill-resistant keyboard	✓
Form factor *	Clamshell	Full-size keyboard	✓
Market positioning	High performance	Windows keys	✓
Display		Software	
Display diagonal *	39,6 cm (15.6")	Operating system architecture	64-bit
Display resolution *	2880 x 1620 pixels	Operating system installed *	Windows 10 Home
Touchscreen *	✗	Processor special features	
Panel type	IPS	Intel® Wireless Display (Intel® WiDi)	✓
LED backlight	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Native aspect ratio	16:9	Intel Smart Connect Technology	✓
Screen shape	Flat	Intel® Smart Response Technology	✓
Processor		Intel® Identity Protection Technology (Intel® IPT)	✓
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i7	Intel® Turbo Boost Technology	2.0
Processor generation	6th gen Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✓
Processor model *	i7-6600U	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	3,4 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	2,6 GHz	Intel® Insider™	✓
System bus rate	4 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	4 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® Smart Cache	✓
Processor socket	LGA 1356 (Socket B2)	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography	14 nm	Intel Trusted Execution Technology	✓
Processor operating modes	64-bit	Intel Enhanced Halt State	✓
Processor series	Intel Core i7-6600 Mobile Series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Skylake		
Bus type	OPI		
Stepping	D1		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2,8 GHz		
Configurable TDP-up	25 W		
Configurable TDP-down	7,5 W		
Configurable TDP-down frequency	0,8 GHz		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	12	Intel® Secure Key	✓
PCI Express slots version	3.0	Intel TSX-NI	✓
PCI Express configurations	1x4, 4x1	Intel Stable Image Platform Program (SIPP)	✓
ECC supported by processor	✗	Intel® OS Guard	✓
Memory		Intel Software Guard Extensions (Intel SGX)	✓
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Internal memory type	DDR3L-SDRAM	Intel 64	✓
Memory clock speed	1600 MHz	Execute Disable Bit	✓
Memory form factor	SO-DIMM	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	32 GB	Processor package size	42 X 24 mm
Storage		Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Total storage capacity *	256 GB	Processor code	SR2F1
Storage media *	SSD	CPU configuration (max)	1
Number of SSDs installed	1	Embedded options available	✓
SSD capacity	256 GB	Graphics & IMC lithography	14 nm
Optical drive type *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1,00
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Smart Response Technology version	1,00
Graphics		Intel Stable Image Platform Program (SIPP) version	1,00
Discrete graphics card model *	NVIDIA® Quadro® M500M	Intel Secure Key Technology version	1,00
Discrete graphics card memory	2 GB	Intel Small Business Advantage (SBA) version	1,00
On-board graphics card *	✓	Intel TSX-NI version	1,00
Discrete graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics 520	Processor ARK ID	88192
On-board graphics card base frequency	300 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1050 MHz	Power	
Maximum on-board graphics card memory	32 GB	AC adapter power	65 W
On-board graphics card DirectX version	12.0	AC adapter frequency	50 - 60 Hz
On-board graphics card OpenGL version	4.4	AC adapter input voltage	100 - 240 V
On-board graphics card ID	1916	DC-in jack	✓
Audio		Security	
Number of built-in speakers	2	Cable lock slot	✓
Speaker power	1 W	Cable lock slot type	Kensington
Built-in microphone	✓	Fingerprint reader	✓
Camera		Trusted Platform Module (TPM)	✓
Front camera	✓	Password protection	✓
Front camera resolution (numeric)	1 MP	Password protection type	HDD, Power on, Supervisor
Front camera resolution	1280 x 720 pixels	Certificates	
Network		Wi-Fi certified	✓
Wi-Fi	✓	Compliance certificates	RoHS
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Sustainability	
Ethernet LAN	✓	Sustainability certificates	EPEAT Gold, ENERGY STAR
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Bluetooth	✓	Width	380,6 mm
Bluetooth version	4.1	Depth	258,2 mm
Ports & interfaces		Height	22,4 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3		
Ethernet LAN (RJ-45) ports	1		
HDMI ports quantity *	1		

Ports & interfaces		Packaging content	
Mini DisplayPorts quantity	1	AC adapter included *	✓
DVI port	✗	Manual	✓
Microphone in	✗	Quick start guide	✓
Combo headphone/mic port	✓	Power cord included	✓
Docking connector	✓	Other features	
CardBus PCMCIA slot type	✗	LightScribe	✗
SmartCard slot	✓	Maximum internal memory (64-bit)	32 GB
USB Sleep-and-Charge	✓	Intel segment tagging	Professional
USB Sleep-and-Charge ports	1		
Performance			
Motherboard chipset	Intel SoC		
Keyboard			
Pointing device	ThinkPad UltraNav		

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