

Lenovo

Lenovo ThinkPad X200 Intel® Core™ 2 Duo P8600 30,7 cm (12.1") 2 GB DDR3-SDRAM 160 GB Intel® GMA 4500MHD Windows Vista Business Černá

Značka : Lenovo**Product family:** ThinkPad**Kód produktu:** 7458-795**Název produktu :** X200

Lenovo ThinkPad X200. Typ procesoru: Intel® Core™ 2 Duo, Model procesoru: P8600, Takt procesoru: 2,4 GHz. Úhlopříčka displeje: 30,7 cm (12.1"), Rozlišení displeje: 1280 x 800 px. Vnitřní paměť: 2 GB, Typ vnitřní paměti: DDR3-SDRAM. Celková kapacita úložiště: 160 GB, Typ optické jednotky: DVD-RW. Diskrétní model grafického adaptéru: Intel® GMA 4500MHD. Poskytovaný operační systém: Windows Vista Business. Barva: Černá. Hmotnost: 1,47 kg



Design		Software	
Product colour *	Black	Operating system installed *	Windows Vista Business
Display		Processor special features	
Display diagonal *	30.7 cm (12.1")	Intel® Wireless Display (Intel® WiDi)	×
Display resolution *	1280 x 800 pixels	Intel® My WiFi Technology (Intel® MWT)	×
Touchscreen *	×	Intel® Anti-Theft Technology (Intel® AT)	×
Display number of colours	262144 colours	Intel® Hyper Threading Technology (Intel® HT Technology)	×
LED backlight	✓	Intel® Turbo Boost Technology	×
Native aspect ratio	16:10	Enhanced Intel SpeedStep Technology	✓
Display surface	Gloss	Intel® Clear Video HD Technology (Intel® CVT HD)	×
Display brightness	200 cd/m²	Intel Clear Video Technology	×
Dual-screen	×	Intel® InTru™ 3D Technology	×
Contrast ratio (typical)	250:1	Intel® Insider™	×
Processor		Intel® Quick Sync Video Technology	×
Processor manufacturer *	Intel	Intel Flex Memory Access	×
Processor family *	Intel® Core™ 2 Duo	Intel® AES New Instructions (Intel® AES-NI)	×
Processor model *	P8600	Intel Trusted Execution Technology	✓
Processor cores	2	Intel Enhanced Halt State	✓
Processor threads	2	Intel VT-x with Extended Page Tables (EPT)	×
Processor frequency *	2.4 GHz	Intel Demand Based Switching	×
Processor cache	3 MB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	×
Processor cache type	L2	Intel 64	✓
Processor socket	Socket 479	Execute Disable Bit	✓
Processor front side bus	1066 MHz		
Processor lithography	45 nm		
Processor operating modes	64-bit		
Processor series	Intel Core 2 Duo P8000 Series		
Processor codename	Penryn		
Bus type	FSB		
FSB Parity	×		
Stepping	R1		

Processor		Processor special features	
Thermal Design Power (TDP)	25 W	Idle States	✓
Tjunction	105 °C	Thermal Monitoring Technologies	✗
Number of Processing Die Transistors	410 M	Processor package size	35 x 35 mm
Processing Die size	107 mm²	Processor code	SLGDZ
CPU multiplier (bus/core ratio)	9	Embedded options available	✗
ECC supported by processor	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Memory		Intel Virtualization Technology (VT-x)	✓
Internal memory *	2 GB	Intel Dual Display Capable Technology	✗
Internal memory type	DDR3-SDRAM	Intel FDI Technology	✗
Memory clock speed	1066 MHz	Intel Rapid Storage Technology	✗
Memory layout (slots x size)	1 x 2 GB	Intel Fast Memory Access	✗
Memory slots	2x SO-DIMM	Processor ARK ID	35568
Maximum internal memory *	4 GB	Conflict-Free processor	✗
Storage		Battery	
Total storage capacity *	160 GB	Number of battery cells	6
Number of HDDs installed	1	Battery life (max)	6.5 h
HDD interface	SATA	Power	
HDD speed	7200 RPM	DC-in jack	✓
Optical drive type *	DVD-RW	Security	
Card reader integrated	✓	Cable lock slot	✓
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, SDHC	Cable lock slot type	IBM
Graphics		Fingerprint reader	✓
Discrete graphics card model *	Intel® GMA 4500MHD	Trusted Platform Module (TPM)	✓
Discrete graphics card *	✓	Password protection type	BIOS
Audio		Operational conditions	
Audio system	HDA	Operating temperature (T-T)	5 - 35 °C
Number of built-in speakers	2	Storage temperature (T-T)	5 - 43 °C
Speaker power	2 W	Operating relative humidity (H-H)	8 - 80%
Built-in subwoofer	✗	Storage relative humidity (H-H)	5 - 95%
Camera		Operating altitude	0 - 2438 m
Front camera resolution (numeric)	1.3 MP	Sustainability	
Network		Sustainability certificates	ENERGY STAR
Wi-Fi	✓	Weight & dimensions	
Networking features	Gigabit Ethernet	Width	295 mm
Ethernet LAN	✓	Depth	210 mm
Bluetooth	✓	Height (front)	2.1 cm
Bluetooth version	2.0+EDR	Height (rear)	3.5 cm
Cabling technology	10/100/1000Base-T(X)	Weight *	1.47 kg
Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	3	Mouse included	✗
Ethernet LAN (RJ-45) ports	1	AC adapter included *	✓
DVI port	✗	Remote control included	✗
VGA (D-Sub) ports quantity	1	Other features	
Headphone outputs	1	Infrared data port	✗
S/PDIF out port	✗	Graphics card family	Intel
Microphone in	✓	Type	PC
Docking connector	✗	Display	LCD
ExpressCard slot	✓	Power requirements	230 V
CardBus PCMCIA slot type	✗	TV-in port	✗
SmartCard slot	✗	HDD user password	✓
Modem (RJ-11) ports	1	TV tuner integrated	✗
TV-out	✗		

Performance	
Motherboard chipset	Intel® GM45 Express
Keyboard	
Pointing device	ThinkPad UltraNav
Software	
Operating system architecture	32-bit
Drivers included	✓

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