Lenovo ThinkPad X201 Intel® Core™ i5 i5-540M Laptop 12.1" 2 GB DDR3-SDRAM 250 GB HDD Windows 7 Professional Black

Brand : Lenovo   **Product family:** ThinkPad   **Article code:** NUUGSU1

Product name : X201

Intel Core i5-540M(2.53GHz), 2GB RAM, 250GB HDD, Windows 7 Professional

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Incredibly mobile, fast, easy to use and secure. Break free of productivity constraints with the new ThinkPad X201.
Lenovo ThinkPad X201. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-540M, Processor frequency: 2.53 GHz. Display diagonal: 12.1", Display resolution: 1280 x 800 pixels. Internal memory: 2 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 250 GB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics. Operating system installed: Windows 7 Professional. Product color: Black. Weight: 3.24 lbs (1.47 kg)

Design

Product type *	Laptop
Product color *	Black
Form factor *	Clamshell

Display

Display diagonal *	12.1"
Display resolution *	1280 x 800 pixels
Touchscreen *	✗
HD type	Not supported
LED backlight	✔
Native aspect ratio	16:10
Display brightness	250 cd/m²
Dual-screen	✗
Contrast ratio (typical)	300:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	Intel® Core™ i5
Processor model *	i5-540M
Processor cores	2
Processor threads	4
Processor boost frequency	3.07 GHz
Processor frequency *	2.53 GHz
System bus rate	2.5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 956
Processor lithography	32 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-500 Mobile Series
Processor codename	Arrandale
Bus type	DMI
FSB Parity	✗
Stepping	C2
Thermal Design Power (TDP)	35 W
Tjunction	105 °C
Maximum number of PCI Express lanes	16

Keyboard

Pointing device	ThinkPad UltraNav
Numeric keypad *	✗
Keyboard backlit	✗
Spill-resistant keyboard	✔
Windows keys	✔

Software

Drivers included	✔
Operating system installed *	Windows 7 Professional

Processor special features

Intel® Wireless Display (Intel® WiDi)	✗
Intel® My WiFi Technology (Intel® MWT)	✗
Intel® Anti-Theft Technology (Intel® AT)	✗
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	1.0
Intel® High Definition Audio (Intel® HD Audio)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✔
Intel® InTru™ 3D Technology	✗
Intel® Insider™	✗
Intel® Quick Sync Video Technology	✗
Intel Flex Memory Access	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✗

Processor

PCI Express slots version	2.0
PCI Express configurations	1x16
Number of Processing Die Transistors	382 M
Processing Die size	81 mm²
CPU multiplier (bus/core ratio)	19
ECC supported by processor	✘

Memory

Internal memory *	2 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1066 MHz
Memory slots	2x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	250 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	250 GB
HDD interface	SATA
HDD speed	7200 RPM
Optical drive type *	✘
Card reader integrated	✔
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, RS-MMC, SD

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics
On-board graphics card base frequency	500 MHz
On-board graphics card dynamic frequency (max)	766 MHz

Audio

Audio system	High Definition Audio
Number of built-in speakers	2
Speaker power	2 W
Built-in subwoofer	✘

Network

Wi-Fi	✔
Wi-Fi standards	802.11a, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	2.1+EDR
Cabling technology	10/100/1000Base-T(X)
4G WiMAX	✘
4G LTE	✘

Ports & interfaces

USB 2.0 ports quantity *	3
Ethernet LAN (RJ-45) ports	1
DVI port	✘
Mini DisplayPort/Thunderbolt combo port	✘
VGA (D-Sub) ports quantity	1
LAN/VGA combo port	✘

Processor special features

Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✔
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	rPGA 37.5x 37.5, BGA 34x28
Supported instruction sets	SSE4.1/4.2
Physical Address Extension (PAE)	36 bit
CPU configuration (max)	1
Embedded options available	✘
Graphics & IMC lithography	45 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✔
Intel FDI Technology	✔
Intel Rapid Storage Technology	✘
Intel Fast Memory Access	✔
Processor ARK ID	43544
Conflict-Free processor	✘

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6
Battery life (max)	6.6 h

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	IBM
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	5 - 43 °C
Operating relative humidity (H-H)	5 - 85%
Storage relative humidity (H-H)	5 - 95%
Operating altitude	0 - 95984.3" (0 - 2438 m)

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Weight & dimensions

Width	11.6" (295 mm)
Depth	8.27" (210 mm)
Height	0.815" (20.7 mm)
Height (front)	0.815" (2.07 cm)
Height (rear)	1.13" (2.87 cm)
Weight *	3.24 lbs (1.47 kg)

Ports & interfaces

Headphone outputs	1
S/PDIF out port	✘
Microphone in	✔
ExpressCard slot	✔
CardBus PCMCIA slot type	✘
Modem (RJ-11) ports	1
Headphone connectivity	3.5 mm
Microphone connectivity	3.5 mm

Performance

Motherboard chipset	Intel® QM57 Express
Orientation sensor	✘
Accelerometer	✘
Proximity sensor	✘

Packaging content

AC adapter included *	✔
Handheld remote control	✘
Manual	✔
Quick start guide	✔

Other features

LightScribe	✘
TV tuner integrated	✘
64-bit computing	✔

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