Lenovo

Lenovo ThinkPad X201 Intel® Core™ i5 i5-580M Laptop 30,7 cm (12.1") 4 GB DDR3-SDRAM 320 GB HDD Windows 7 Professional Μαύρος (Μαύρο)

Brand : Lenovo   **Product family:** ThinkPad   **Article code:** NUVQ7MD

Product name : X201

Lenovo ThinkPad X201. Τύπος προϊόντος: Laptop, Τύπος μορφής: Clamshell. Τύπος επεξεργαστή: Intel®
Core™ i5, Προδιαγραφές επεξεργαστή: i5-580M, Συχνότητα επεξεργαστή: 2,66 GHz. Μέγεθος οθόνης:
30,7 cm (12.1"), Βήμα εικονοστοιχείων: 1280 x 800 εικονοστοιχεία. Εσωτερική μνήμη: 4 GB, Τύπος
μνήμης: DDR3-SDRAM. Εσωτερική μονάδα σκληρού δίσκου: 320 GB, Μέσα αποθήκευσης: HDD. Μοντέλο
ενσωματωμένου προσαρμογέα γραφικών: Intel® HD Graphics. Εγκατεστημένο λειτουργικό σύστημα:
Windows 7 Professional. Χρώμα προϊόντος: Μαύρος (Μαύρο). Βάρος: 1,1 kg

Design	
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Plastic

Display	
Display diagonal *	30.7 cm (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 *	i5-580M
Processor cores	2
Processor threads	4
Processor boost frequency	3.33 GHz
Processor frequency *	2.66 GHz
System bus rate	2.5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1288
Processor lithography	32 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-500 Mobile Series

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

Software	
Operating system architecture	64-bit
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® Small Business Advantage (Intel® SBA)	✖
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	✔

Processor

Processor codename	Arrandale
Bus type	DMI
FSB Parity	✗
Stepping	K0
Thermal Design Power (TDP)	35 W
Tjunction	105 °C
Maximum number of PCI Express lanes	16
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)	20
ECC supported by processor	✗

Memory

Internal memory *	4 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 *	320 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	320 GB
HDD interface	SATA
HDD speed	7200 RPM
Optical drive type *	✗
Card reader integrated	✔
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, SDHC

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	✗
Networking standards	IEEE 802.11a, IEEE 802.11g, IEEE 802.11n

Processor special features

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	✗
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
Processor code	SLC29
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	49652
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)	✔
Password protection type	BIOS

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 - 2438 m

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	EPEAT Gold, ENERGY STAR

Network

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	✘
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	✘

Weight & dimensions

Width	295 mm
Depth	210 mm
Height (front)	2.07 cm
Height (rear)	2.87 cm
Weight *	1.1 kg

Packaging content

AC adapter included *	✔
Remote control included	✘
Manual	✔
Quick start guide	✔

Other features

LightScribe	✘
TV tuner integrated	✘
64-bit computing	✔