



Lenovo ThinkPad X240 Intel® Core™ i7 i7-4600U Laptop 31,8 cm (12.5") Touchscreen 8 GB DDR3-SDRAM 128 GB SSD Windows 8 Pro Black



Brand : Lenovo

Product family: ThinkPad

Product code: 20AL0011AT

Product name : X240

Intel Core i7-4600U (2.1 GHz), 8GB RAM, 128GB SSD, 12.5" HD (1366x768) MultiTouch, Intel HD Graphics 4400, 802.11ac/a/b/g/n, Bluetooth 4.0, Windows 8 Pro 64
Lenovo ThinkPad X240. Product type: Laptop, Form factor: Clamshell. Processor type: Intel® Core™ i7, Processor: i7-4600U, Processor frequency: 2,1 GHz. Display diagonal: 31,8 cm (12.5"), Display resolution: 1366 x 768 pixels, Touchscreen. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 128 GB, Storage media: SSD. Mobile network generation: 3G. Operating system software: Windows 8 Pro. Product colour: Black

Design		Keyboard	
Product type *	Laptop	Numeric keypad *	✗
Product colour *	Black	Spill-resistant keyboard	✓
Form factor *	Clamshell	Windows keys	✓
Housing material	Plastic		
Display		Software	
Touch screen type	Capacitive	Operating system architecture	64-bit
Display diagonal *	31,8 cm (12.5")	Operating system software *	Windows 8 Pro
Display resolution *	1366 x 768 pixels		
Touchscreen *	✓		
HD type	Not supported		
Touch technology	Multi-touch		
Panel type	IPS		
LED backlight	✓		
Native aspect ratio	16:9		
Display brightness	300 cd/m²		
Dual-screen	✗		
Contrast ratio (typical)	700:1		
Processor		Processor special features	
Processor manufacturer *	Intel	Intel Wireless Display (WiDi) Technology	✓
Processor type *	Intel® Core™ i7	Intel My WiFi Technology	✗
Processor generation	4th gen Intel® Core™ i7	Intel Smart Connect Technology	✓
Processor *	i7-4600U	Intel Anti-Theft Technology	✓
Processor number of cores	2	Intel® Smart Response Technology	✓
Processor threads	4	Intel Identity Protection Technology	✓
Processor boost frequency	3,3 GHz	Intel Hyper-Threading Technology	✓
Processor frequency *	2,1 GHz	Intel Turbo Boost Technology	2.0
System bus data transfer rate	5 GT/s	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cache	4 MB	Intel Matrix Storage Technology	✗
Processor cache type	Smart Cache	Intel HD Audio Technology	✓
Processor socket	BGA 1168	Enhanced Intel SpeedStep Technology	✓
Processor lithography	22 nm	Intel Clear Video HD Technology	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✗
Processor series	Intel Core i7-4600 Mobile series	Intel® InTru™ 3D Technology	✓
Processor codename	Haswell	Intel® Insider™	✓
Bus type	DMI2	Intel® Quick Sync Video Technology	✓
FSB Parity	✗	Intel Flex Memory Access	✗
		Intel Smart Cache	✓
		Intel AES New Instructions	✓
		Intel Trusted Execution Technology	✓
		Intel Enhanced Halt State	✓
		Intel VT-x with Extended Page Tables (EPT)	✓
		Intel Demand Based Switching	✗

Processor		Processor special features	
Stepping	D0	Intel® Secure Key	✓
Thermal Design Power (TDP)	15 W	Intel TSX-NI	✗
Tjunction	100 °C	Intel Stable Image Platform Program (SIPP)	✓
Maximum number of PCI Express lanes	12	Intel Clear Video Technology for MID	✗
PCI Express slots version	2.0	Intel 64	✓
PCI Express configurations	4x1, 2x4	Execute Disable Bit	✓
ECC supported by processor	✗	Idle States	✓
Memory		Thermal Monitoring Technologies	✓
Internal memory *	8 GB	Processor package size	40 x 24 x 1.5 mm
Internal memory type	DDR3-SDRAM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory speed	1600 MHz	Processor code	SR1EA
Memory form factor	SO-DIMM	CPU configuration (max)	1
Memory layout (slots x size)	1 x 8 GB	Embedded options available	✗
Memory slots	1x SO-DIMM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum memory *	8 GB	Intel Smart Connect Technology version	1,00
Storage		Intel Identity Protection Technology version	1,00
Total storage capacity *	128 GB	Intel Smart Response Technology version	1,00
Storage media *	SSD	Intel Stable Image Platform Program (SIPP) version	1,00
Number of SSDs installed	1	Intel Secure Key Technology version	1,00
Solid-state drive capacity	128 GB	Intel Small Business Advantage (SBA) version	1,00
Solid-state drive interfaces	SATA II	Intel ME Firmware Version	9.5
Optical drives *	✗	Intel TSX-NI version	0,00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	MMC, SD, SDHC, SDXC	Intel Dual Display Capable Technology	✗
Graphics		Intel FDI Technology	✓
Discrete graphics card model *	Not available	Intel Rapid Storage Technology	✓
On-board graphics card *	✓	Intel Fast Memory Access	✗
Discrete graphics card *	✗	Processor ARK ID	76616
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 4400	Battery	
On-board graphics card base frequency	200 MHz	Number of battery cells	3
On-board graphics card dynamic frequency (max)	1100 MHz	Battery capacity *	23,5 Wh
Maximum on-board graphics card memory	1,74 GB	Battery life (max)	8,7 h
On-board graphics card DirectX version	11.2/12	Power	
On-board graphics card OpenGL version	4.3	AC adapter power	45 W
On-board graphics card ID	0xA16	AC adapter frequency	50 - 60 Hz
Audio		AC adapter input voltage	100 - 240 V
Audio system	Dolby Advanced Audio v2	DC-in jack	✓
Number of built-in speakers	2	Security	
Speaker power	3 W	Cable lock slot	✗
Built-in microphone	✓	Fingerprint reader	✓
Camera		Trusted Platform Module (TPM)	✓
Front camera	✓	Certificates	
Front camera resolution	1280 x 720 pixels	Compliance certificates	RoHS
Network		Sustainability	
Mobile network generation	3G	Sustainability certificates	EPEAT Gold, ENERGY STAR
3G standards	HSPA+	Weight & dimensions	
Wi-Fi	✓	Width	305,5 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Mobile network connection *	✓		
Ethernet LAN connection	✓		

Network		Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	208,5 mm
Bluetooth	✓	Height	21,5 mm
Bluetooth version	4.0	Weight *	1,49 kg
Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1	Manual	✓
Mini DisplayPorts quantity	1	Quick start guide	✓
DVI port	✗	Power cord included	✓
VGA (D-Sub) ports quantity	1	Other features	
Headphone outputs	1	LightScribe	✗
S/PDIF out port	✗		
Microphone in	✓		
Combo headphone/mic port	✓		
Docking connector	✓		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Number of SATA III connectors	4		
USB Sleep-and-Charge	✓		
USB Sleep-and-Charge ports	1		

Catalog Object Cloud



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