



Lenovo ThinkPad Edge 15 Intel® Core™ i5 i5-480M 38,1 cm (15") 4 GB DDR3-SDRAM 320 GB Intel® HD Graphics Windows 7 Professional Hitam

Brand : Lenovo

Product family: ThinkPad

Product code: 0301JDU

Product name : 15

Lenovo ThinkPad Edge 15. Keluarga pemproses: Intel® Core™ i5, Model pemproses: i5-480M, Frekuensi pemproses: 2,66 GHz. Pepenjuru paparan: 38,1 cm (15"), Resolusi paparan: 1366 x 768 piksel. Memori dalaman: 4 GB, Jenis memori dalaman: DDR3-SDRAM. Kapasiti keseluruhan storan: 320 GB, Jenis pemacu gentian kaca: DVD-RW. Model penyesuai grafik papan ibu: Intel® HD Graphics, Model penyesuai grafik penuh: Intel® HD Graphics. Sistem operasi yang dipasang: Windows 7 Professional. Product color: Hitam. Berat: 2,5 kg



Design		Keyboard	
Product colour *	Black	Pointing device	ThinkPad UltraNav
Display		Software	
Display diagonal *	38.1 cm (15")	Operating system architecture	64-bit
Display resolution *	1366 x 768 pixels	Drivers included	✓
LED backlight	✓	Operating system installed *	Windows 7 Professional
Native aspect ratio	16:9	Processor special features	
Display brightness	220 cd/m ²	Intel® Wireless Display (Intel® WiDi)	✗
Contrast ratio (typical)	500:1	Intel® My WiFi Technology (Intel® MWT)	✗
Processor		Intel® Anti-Theft Technology (Intel® AT)	✗
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i5	Intel® Turbo Boost Technology	1.0
Processor generation	4th gen Intel® Core™ i5	Enhanced Intel SpeedStep Technology	✓
Processor model *	i5-480M	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	2	Intel Clear Video Technology	✓
Processor threads	4	Intel® InTru™ 3D Technology	✗
Processor boost frequency	2.93 GHz	Intel® Insider™	✗
Processor frequency *	2.66 GHz	Intel® Quick Sync Video Technology	✗
System bus rate	2.5 GT/s	Intel Flex Memory Access	✓
Processor cache	3 MB	Intel® Smart Cache	✓
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor socket	BGA 1288	Intel Trusted Execution Technology	✗
Processor lithography	32 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Core i5-400 Series	Intel Demand Based Switching	✗
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		

Processor		Processor special features	
PCI Express configurations	1x16	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Number of Processing Die Transistors	382 M	Intel 64	✓
Processing Die size	81 mm²	Execute Disable Bit	✓
CPU multiplier (bus/core ratio)	20	Idle States	✓
ECC supported by processor	✗	Thermal Monitoring Technologies	✓
Memory		Processor package size	rPGA 37.5x 37.5, BGA 34x28
Internal memory *	4 GB	Supported instruction sets	SSE4.1, SSE4.2
Internal memory type	DDR3-SDRAM	Processor code	SLC26
Memory clock speed	1066 MHz	Physical Address Extension (PAE)	✓
Memory slots	2x SO-DIMM	Physical Address Extension (PAE)	36 bit
Maximum internal memory *	8 GB	CPU configuration (max)	1
Storage		Embedded options available	✗
Total storage capacity *	320 GB	Graphics & IMC lithography	45 nm
Number of HDDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✗
HDD interface	SATA	Intel Virtualization Technology (VT-x)	✓
HDD speed	5400 RPM	Intel Dual Display Capable Technology	✓
Optical drive type *	DVD-RW	Intel FDI Technology	✓
Card reader integrated	✓	Intel Rapid Storage Technology	✗
Compatible memory cards	Memory Stick (MS), MiniSDHC, MMC, MS PRO, SDHC, xD	Intel Fast Memory Access	✓
Graphics		Processor ARK ID	52952
Discrete graphics card model *	Intel® HD Graphics	Conflict-Free processor	✗
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Number of battery cells	6
On-board graphics card family	Intel® HD Graphics	Battery life (max)	4.5 h
On-board graphics card model *	Intel® HD Graphics	Power	
On-board graphics card base frequency	500 MHz	DC-in jack	✓
On-board graphics card dynamic frequency (max)	766 MHz	Security	
Maximum resolution	2048 x 1536 pixels	Cable lock slot	✗
Audio		Fingerprint reader	✓
Audio system	Realtek ALC269	Password protection type	HDD, Supervisor
Number of built-in speakers	2	Certificates	
Speaker power	1.5 W	Certification	RoHS
Network		Sustainability	
Wi-Fi	✓	Sustainability certificates	ENERGY STAR
Networking features	Gigabit Ethernet	Weight & dimensions	
Ethernet LAN	✓	Width	380 mm
Bluetooth	✓	Depth	247 mm
Bluetooth version	2.1+EDR	Height (front)	3.23 cm
Cabling technology	10/100/1000Base-T(X)	Height (rear)	3.75 cm
Ports & interfaces		Weight *	2.5 kg
USB 2.0 ports quantity *	3	Packaging content	
eSATA/USB 2.0 ports quantity	1	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1	Other features	
HDMI ports quantity *	1	Infrared data port	✗
DVI port	✗	Graphics card family	Intel
VGA (D-Sub) ports quantity	1	Type	PC
Headphone outputs	1	Display	LCD
S/PDIF out port	✗	Power supply type	AC - DC
Microphone in	✓		
Docking connector	✗		
ExpressCard slot	✓		
CardBus PCMCIA slot type	✗		

Ports & interfaces

SmartCard slot	✖
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Performance

Motherboard chipset	Intel® HM55 Express
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