



Lenovo IdeaPad G40-80 Intel® Core™ i3 i3-4005U Laptop 35,6 cm (14") 4 GB DDR3L-SDRAM 500 GB HDD Windows 8.1 Black

Brand : Lenovo

Product family: IdeaPad

Article code: 80KY0035LM

Product name : G40-80

Lenovo IdeaPad G40-80. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-4005U, Processor frequency: 1,7 GHz. Display diagonal: 35,6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 8.1. Product color: Black



Design		Software	
Product type *	Laptop	Operating system architecture	64-bit
Product color *	Black	Operating system installed *	Windows 8.1
Form factor *	Clamshell	Processor special features	
Display		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	35,6 cm (14")	Intel® My WiFi Technology (Intel® MWT)	✗
Display resolution *	1366 x 768 pixels	Intel Smart Connect Technology	✓
Touchscreen *	✗	Intel® Anti-Theft Technology (Intel® AT)	✓
LED backlight	✓	Intel® Smart Response Technology	✗
Native aspect ratio	16:9	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor		Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	✗
Processor family *	Intel® Core™ i3	Intel® Small Business Advantage (Intel® SBA)	✗
Processor generation	4th gen Intel® Core™ i3	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor model *	i3-4005U	Intel® High Definition Audio (Intel® HD Audio)	✓
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	1,7 GHz	Intel Clear Video Technology	✗
System bus rate	5 GT/s	Intel® InTru™ 3D Technology	✓
Processor cache	3 MB	Intel® Insider™	✓
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✓
Processor socket	BGA 1168	Intel Flex Memory Access	✗
Processor lithography	22 nm	Intel® Smart Cache	✓
Processor operating modes	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor series	Intel® Core™ i3-4000 Mobile Series	Intel Trusted Execution Technology	✗
Processor codename	Haswell	Intel Enhanced Halt State	✓
Bus type	DMI	Intel VT-x with Extended Page Tables (EPT)	✓
FSB Parity	✗	Intel Demand Based Switching	✗
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	10		
PCI Express slots version	2.0		
PCI Express configurations	4x1, 1x4		
ECC supported by processor	✗		
Memory			
Internal memory *	4 GB		

Memory		Processor special features	
Internal memory type	DDR3L-SDRAM	Intel® Secure Key	✓
Memory clock speed	1600 MHz	Intel TSX-NI	✗
Memory form factor	SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory slots	2x SO-DIMM	Intel 64	✓
Maximum internal memory *	16 GB	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	500 GB	Thermal Monitoring Technologies	✓
Storage media *	HDD	Processor package size	40 x 24 x 1.5 mm
Number of HDDs installed	1	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
HDD capacity	500 GB	CPU configuration (max)	1
HDD interface	SATA	Embedded options available	✗
HDD speed	5400 RPM	UART	✓
Optical drive type *	DVD±RW	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Card reader integrated	✓	Intel Smart Connect Technology version	1,00
Compatible memory cards	MMC, SD	Intel Identity Protection Technology version	1,00
Graphics		Intel Smart Response Technology version	0,00
Discrete graphics card model *	Not available	Intel Secure Key Technology version	1,00
On-board graphics card *	✓	Intel Small Business Advantage (SBA) version	0,00
Discrete graphics card *	✗	Intel ME Firmware Version	9.5
On-board graphics card family	Intel® HD Graphics	Intel TSX-NI version	0,00
On-board graphics card model *	Intel® HD Graphics 4400	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	200 MHz	Intel Dual Display Capable Technology	✗
On-board graphics card dynamic frequency (max)	950 MHz	Intel FDI Technology	✗
Maximum on-board graphics card memory	2 GB	Intel Rapid Storage Technology	✓
On-board graphics card DirectX version	12	Intel Fast Memory Access	✗
On-board graphics card ID	0xA16	Processor ARK ID	75105
Graphics card Open GL support	✓	Conflict-Free processor	✓
Audio		Battery	
Audio system	Dolby Advanced Audio v2	Battery technology	Lithium-Ion (Li-Ion)
Number of built-in speakers	2	Number of battery cells	4
Speaker power	1,5 W	Battery life (max)	4 h
Built-in microphone	✓	Power	
Camera		DC-in jack	✓
Front camera	✓	Security	
Network		Cable lock slot	✓
Wi-Fi	✓	Password protection	✓
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Password protection type	HDD, Power on, Supervisor
Ethernet LAN	✓	Certificates	
Bluetooth	✓	Compliance certificates	RoHS
Bluetooth version	4.0	Sustainability	
Ports & interfaces		Sustainability certificates	EPEAT Silver, ENERGY STAR
USB 2.0 ports quantity *	2	Weight & dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Width	349 mm
Ethernet LAN (RJ-45) ports	1	Depth	245 mm
HDMI ports quantity *	1	Height	24,8 mm
DVI port	✗	Weight *	2,1 kg
VGA (D-Sub) ports quantity	1	Packaging content	
S/PDIF out port	✗	AC adapter included *	✓
Microphone in	✗		
Combo headphone/mic port	✓		
Docking connector	✗		

Ports & interfaces		Other features	
ExpressCard slot	×	Intel® Virtualization Technology (Intel® VT)	VT-x
CardBus PCMCIA slot type	×		
SmartCard slot	×		
Total number of SATA connectors	2		
Number of SATA III connectors	2		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	×		

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