



Lenovo G40-80 Intel® Core™ i5 i5-5200U Laptop 35.6 cm (14") 4 GB DDR3L-SDRAM 1 TB HDD AMD Radeon R5 M230 FreeDOS Silver

Brand : Lenovo

Product code: 80E400CYID

Product name : G40-80

Intel Core i5-5200U (2.2 GHz), 4GB DDR3L 1600MHz SDRAM, 1TB HDD, 14" HD LED (1366x768), AMD Radeon R5 M230 2GB, Gigabit Ethernet, Wi-Fi 802.11 b/g/n, Bluetooth 4.0, DVD±RW, 4-cell, FreeDOS Lenovo G40-80. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-5200U, Processor frequency: 2.2 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: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 5500. Operating system installed: FreeDOS. Product colour: Silver



Design		Keyboard	
Product type *	Laptop	Windows keys	✓
Product colour *	Silver		
Form factor *	Clamshell		
Display		Software	
Display diagonal *	35.6 cm (14")	Operating system installed *	FreeDOS
Display resolution *	1366 x 768 pixels		
Touchscreen *	✗		
LED backlight	✓		
Native aspect ratio	16:9		
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i5	Intel® My WiFi Technology (Intel® MWT)	✗
Processor generation	5th gen Intel® Core™ i5	Intel Smart Connect Technology	✗
Processor model *	i5-5200U	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor cores	2	Intel® Rapid Start Technology	✗
Processor threads	4	Intel® Smart Response Technology	✓
Processor boost frequency	2.7 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	2.2 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology	2.0
Processor cache	3 MB	Intel® Small Business Advantage (Intel® SBA)	✓
Processor cache type	Smart Cache	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor socket	BGA 1168	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor lithography	14 nm	Intel® Active Management Technology (Intel® AMT)	✗
Processor operating modes	32-bit, 64-bit	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel® Core™ i5-5200 Mobile Series	Intel HD Graphics	✓
Processor codename	Broadwell	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Bus type	DMI2	Intel Clear Video Technology	✓
FSB Parity	✗	Intel® InTru™ 3D Technology	✓
Stepping	F0	Intel® Insider™	✓
Thermal Design Power (TDP)	15 W		
Configurable TDP-down	7.5 W		
Configurable TDP-down frequency	0.6 GHz		

Processor		Processor special features	
Tjunction	105 °C	Intel® Quick Sync Video Technology	✓
Maximum number of PCI Express lanes	12	Intel Flex Memory Access	✓
PCI Express slots version	2.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	4x1, 2x4	Intel Trusted Execution Technology	✗
ECC supported by processor	✗	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
Internal memory *	4 GB	Intel Demand Based Switching	✗
Internal memory type	DDR3L-SDRAM	Intel® Secure Key	✓
Memory clock speed	1600 MHz	Intel® OS Guard	✓
Memory form factor	SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Memory layout (slots x size)	1 x 4 GB	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	16 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	1 TB	Processor package size	40 x 24 x 1.3 mm
Storage media *	HDD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of HDDs installed	1	Processor code	SR23Y
HDD capacity	1 TB	CPU configuration (max)	1
HDD interface	SATA	Embedded options available	✗
HDD speed	5400 RPM	Graphics & IMC lithography	14 nm
HDD size	2.5"	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Optical drive type *	DVD±RW	Intel Identity Protection Technology version	1.00
Card reader integrated	✓	Intel Smart Response Technology version	1.00
Compatible memory cards	MMC, SD	Intel Secure Key Technology version	1.00
Graphics		Intel Small Business Advantage (SBA) version	1.00
Discrete graphics card model *	AMD Radeon R5 M230	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Intel Dual Display Capable Technology	✗
Discrete graphics memory type	GDDR3	Intel FDI Technology	✓
On-board graphics card *	✓	Intel Rapid Storage Technology	✗
Discrete graphics card *	✓	Intel Fast Memory Access	✓
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	85212
On-board graphics card model *	Intel® HD Graphics 5500	Conflict-Free processor	✓
On-board graphics card base frequency	300 MHz	Battery	
On-board graphics card dynamic frequency (max)	900 MHz	Battery technology	Lithium Polymer (LiPo)
Maximum on-board graphics card memory	16 GB	Number of battery cells	4
On-board graphics card DirectX version	11.2	Battery capacity *	32 Wh
On-board graphics card ID	0x1616	Power	
Number of discrete graphics cards installed	1	AC adapter power	65 W
Audio		AC adapter frequency	50 - 60 Hz
Audio system	Dolby Advanced v2	AC adapter input voltage	100 - 240 V
Number of built-in speakers	2	DC-in jack	✓
Built-in microphone	✓	Security	
Camera		Cable lock slot	✓
Front camera	✓	Cable lock slot type	Kensington
Front camera resolution (numeric)	1 MP	Password protection	✓
Front camera resolution	1280 x 720 pixels	Password protection type	HDD, Power on, Supervisor
Network		Certificates	
Wi-Fi	✓	Compliance certificates	RoHS
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		

Network		Sustainability	
Bluetooth version	4.0	Sustainability certificates	EPEAT Silver, ENERGY STAR
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Width	383.8 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Depth	264.1 mm
Ethernet LAN (RJ-45) ports	1	Height	24.9 mm
HDMI ports quantity *	1	Weight *	2.1 kg
DVI port	✗	Packaging content	
VGA (D-Sub) ports quantity	1	AC adapter included *	✓
S/PDIF out port	✗	Manual	✓
Microphone in	✗	Warranty card	✓
Combo headphone/mic port	✓	Power cord included	✓
Docking connector	✗	Other features	
ExpressCard slot	✗	LightScribe	✗
CardBus PCMCIA slot type	✗	Maximum internal memory (64-bit)	16 GB
SmartCard slot	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Performance			
Motherboard chipset	Intel SoC		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✗		
Island-style keyboard	✓		

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