



Lenovo IdeaPad G50-70 Intel® Core™ i3 i3-4030U Laptop 39,6 cm (15.6") 4 GB DDR3L-SDRAM 1 TB HDD AMD Radeon R5 M230 Windows 8.1 Black

Brand : Lenovo

Product family: IdeaPad

Product code: 59-422527

Product name : G50-70

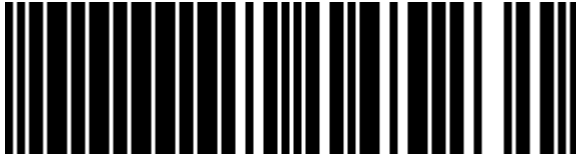
15.6" LED HD 1366 x 768, Intel Core i3-4030U (3M Cache, 1.90 GHz), 4GB DDR3L, AMD Radeon R5 M230 2GB, 1TB HDD, WLAN 802.11 b/g/n, Bluetooth 4.0, Windows 8.1 64-bit
Lenovo IdeaPad G50-70. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-4030U, Processor frequency: 1.9 GHz. Display diagonal: 39,6 cm (15.6"), 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 4400. Operating system installed: Windows 8.1. Product colour: Black



Design		Ports & interfaces	
Product type *	Laptop	Number of SATA III connectors	4
Product colour *	Black	Keyboard	
Form factor *	Clamshell	Numeric keypad *	✓
Display		Island-style keyboard	✓
Display diagonal *	39,6 cm (15.6")	Windows keys	✓
Display resolution *	1366 x 768 pixels	Software	
Touchscreen *	✗	Operating system architecture	64-bit
LED backlight	✓	Operating system installed *	Windows 8.1
Native aspect ratio	16:9	Processor special features	
Display surface	Gloss	Intel® Wireless Display (Intel® WiDi)	✓
Processor		Intel® My WiFi Technology (Intel® MWT)	✗
Processor manufacturer *	Intel	Intel Smart Connect Technology	✓
Processor family *	Intel® Core™ i3	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor generation	4th gen Intel® Core™ i3	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i3-4030U	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores	2	Intel® Turbo Boost Technology	✗
Processor threads	4	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor frequency *	1,9 GHz	Intel® High Definition Audio (Intel® HD Audio)	✓
System bus rate	5 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	3 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache	Intel Clear Video Technology	✗
Processor socket	BGA 1168	Intel® InTru™ 3D Technology	✓
Processor lithography	22 nm	Intel® Insider™	✓
Processor operating modes	64-bit	Intel® Quick Sync Video Technology	✓
Processor series	Intel® Core™ i3-4000 Mobile Series	Intel Flex Memory Access	✗
Processor codename	Haswell	Intel® Smart Cache	✓
Bus type	DMI2		
FSB Parity	✗		
Stepping	D0		
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		
PCI Express slots version	2.0		
PCI Express configurations	4x1, 2x4		
ECC supported by processor	✗		

Memory		Processor special features	
Internal memory *	4 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type	DDR3L-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speed	1600 MHz	Intel Enhanced Halt State	✓
Memory form factor	SO-DIMM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel Demand Based Switching	✗
Maximum internal memory *	8 GB	Intel® Secure Key	✓
Storage		Intel TSX-NI	✗
Total storage capacity *	1 TB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Storage media *	HDD	Intel 64	✓
Number of HDDs installed	1	Execute Disable Bit	✓
HDD capacity	1 TB	Idle States	✓
HDD interface	SATA	Thermal Monitoring Technologies	✓
HDD speed	5400 RPM	Processor package size	40 x 24 x 1.5 mm
Optical drive type *	DVD±RW	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Card reader integrated	✓	Processor code	SR1EN
Compatible memory cards	MMC, SD	CPU configuration (max)	1
Graphics		Embedded options available	✗
Discrete graphics card model *	AMD Radeon R5 M230	UART	✓
Discrete graphics card memory	2 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Smart Connect Technology version	1,00
Discrete graphics card *	✓	Intel Identity Protection Technology version	1,00
On-board graphics card family	Intel® HD Graphics	Intel Secure Key Technology version	1,00
On-board graphics card model *	Intel® HD Graphics 4400	Intel ME Firmware Version	9.5
On-board graphics card base frequency	200 MHz	Intel TSX-NI version	0,00
On-board graphics card dynamic frequency (max)	1000 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	2 GB	Intel Dual Display Capable Technology	✗
On-board graphics card DirectX version	12	Intel FDI Technology	✗
On-board graphics card ID	0xA16	Intel Rapid Storage Technology	✓
Audio		Intel Fast Memory Access	✗
Audio system	Dolby Advanced Audio	Processor ARK ID	81018
Number of built-in speakers	2	Conflict-Free processor	✓
Built-in microphone	✓	Battery	
Camera		Battery technology	Lithium-Ion (Li-Ion)
Front camera	✓	Number of battery cells	4
Network		Battery capacity *	32 Wh
Wi-Fi	✓	Battery life (max)	4 h
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Power	
Ethernet LAN	✓	DC-in jack	✓
Ethernet LAN data rates	10,100 Mbit/s	Security	
Bluetooth	✓	Cable lock slot	✓
Bluetooth version	4.0	Cable lock slot type	Kensington
Ports & interfaces		Weight & dimensions	
USB 2.0 ports quantity *	2	Width	384 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Depth	265 mm
Ethernet LAN (RJ-45) ports	1	Height	25 mm
HDMI ports quantity *	1	Weight *	2,5 kg
DVI port	✗	Packaging content	
VGA (D-Sub) ports quantity	1	AC adapter included *	✓
S/PDIF out port	✗		
Microphone in	✗		
Combo headphone/mic port	✓		
Docking connector	✗		

Ports & interfaces		Other features	
ExpressCard slot	×	LightScribe	×
CardBus PCMCIA slot type	×	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
SmartCard slot	×		
Total number of SATA connectors	4		



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