



## Lenovo G50-70 Intel® Core™ i7 i7-4510U Laptop 39.6 cm (15.6") HD 8 GB DDR3L-SDRAM 500 GB Windows 8.1 Black

**Brand :** Lenovo

**Product code:** 59423190

**Product name :** G50-70

Intel i7-4510U, 8GB, 500GB, 15.6" GT 1366x768, DVD-SM, Windows 8.1

Lenovo G50-70 Intel® Core™ i7 i7-4510U Laptop 39.6 cm (15.6") HD 8 GB DDR3L-SDRAM 500 GB  
Windows 8.1 Black:

### EVERYDAY VERSATILITY

- processor 4th Generation Intel Core Processors
- Operating System Windows 8.1 64-bit Operating System
- Display 15.6" HD Display for Bright, Crisp Visuals
- Multi Media Comprehensive Feature Set & Solid Performance
- Storage Plenty of Storage for Movies, Music & Games

Lenovo G50-70. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor: i7-4510U, Processor frequency: 2 GHz. Display diagonal: 39.6 cm (15.6"), HD type: HD, Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 8.1. Product colour: Black



Design		Software	
Product type *	Laptop	Trial software	McAfee LiveSafe
Product colour *	Black	Operating system installed *	Windows 8.1
Form factor *	Clamshell	<b>Processor special features</b>	
Display		Intel Wireless Display (WiDi) Technology	✓
Display diagonal *	39.6 cm (15.6")	Intel My WiFi Technology	✗
Display resolution *	1366 x 768 pixels	Intel Smart Connect Technology	✓
Touch screen *	✗	Intel Anti-Theft Technology	✓
HD type	HD	Intel® Rapid Start Technology	✗
Native aspect ratio	16:9	Intel® Smart Response Technology	✗
Processor		Intel Identity Protection Technology	✓
Processor manufacturer *	Intel	Intel Hyper-Threading Technology	✓
Processor family *	Intel® Core™ i7	Intel Turbo Boost Technology	2.0
Processor generation	4th gen Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✗
Processor *	i7-4510U	Intel Matrix Storage Technology	✗
Processor number of cores	2	Intel HD Audio Technology	✓
Processor threads	4	Intel Active Management Technology	✓
Processor boost frequency	3.1 GHz	Enhanced Intel SpeedStep Technology	✓
Processor frequency *	2 GHz	Intel® RealSense™ Technology	✗
System bus data transfer rate	5 GT/s	Intel RealSense Snapshot	✗
Processor cache	4 MB	Intel RealSense 3D Camera	✗
Processor cache type	Smart Cache	Intel Clear Video HD Technology	✓
Processor socket	BGA 1168	Intel Clear Video Technology	✗
Processor lithography	22 nm	Intel® InTru™ 3D Technology	✓
Processor operating modes	64-bit	Intel® Insider™	✓
Processor series	Intel Core i7-4500 Mobile series	Intel® Quick Sync Video Technology	✓
Processor codename	Haswell	Intel Flex Memory Access	✗
Bus type	DMI2	Intel® Smart Cache	✓
FSB Parity	✗	Intel AES New Instructions	✓
Stepping	D0		
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	12		

Processor		Processor special features	
PCI Express slots version	2.0	Intel Trusted Execution Technology	✗
PCI Express configurations	4x1, 2x4	Intel Enhanced Halt State	✓
ECC supported by processor	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✗
Internal memory *	8 GB	Intel® Secure Key	✓
Internal memory type	DDR3L-SDRAM	Intel TSX-NI	✗
Memory clock speed	1600 MHz	Intel Clear Video Technology for MID	✗
Maximum internal memory *	8 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	500 GB	Idle States	✓
Optical drive type *	DVD-RW	Thermal Monitoring Technologies	✓
Card reader integrated	✓	Processor package size	40 x 24 x 1.5 mm
Compatible memory cards	MMC, SD, SDHC, SDXC	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Graphics		Processor code	SR1EB
Discrete graphics card model *	Not available	CPU configuration (max)	1
On-board graphics card *	✓	Embedded options available	✗
Discrete graphics card *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✗
On-board graphics card family	Intel® HD Graphics	Intel Smart Connect Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 4400	Intel Identity Protection Technology version	1.00
On-board graphics card base frequency	200 MHz	Intel Secure Key Technology version	1.00
On-board graphics card dynamic frequency (max)	1100 MHz	Intel ME Firmware Version	9.5
Maximum on-board graphics card memory	1.74 GB	Intel TSX-NI version	0.00
On-board graphics card DirectX version	11.2/12	Intel Virtualization Technology (VT-x)	✓
On-board graphics card OpenGL version	4.3	Intel Dual Display Capable Technology	✗
On-board graphics card ID	0xA16	Intel FDI Technology	✓
Audio		Intel Rapid Storage Technology	✓
Audio system	Dolby Advanced Audio v2	Intel Fast Memory Access	✗
Built-in microphone	✓	Processor ARK ID	81015
Camera		Conflict-Free processor	✓
Front camera	✓	Battery	
Rear camera	✗	Number of battery cells	4
Network		Battery life (max)	4 h
Wi-Fi	✓	Energy Management	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	DC-in jack	✓
Ethernet LAN connection	✗	Security	
Bluetooth	✓	Cable lock slot	✗
Bluetooth version	4.0	Fingerprint reader	✗
Ports & interfaces		Trusted Platform Module (TPM)	✗
USB 2.0 ports quantity *	2	Weight & Dimensions	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Width	384 mm
HDMI ports quantity *	1	Depth	264 mm
DVI port	✗	Height	24.8 mm
Headphone outputs	1	Weight *	2.5 kg
S/PDIF out port	✗	Packaging Content	
Microphone in	✓	Mouse included	✗
Combo headphone/mic port	✓	Other features	
Docking connector	✗	Swivel webcam	✗
ExpressCard slot	✗	Intel Virtualization Technology	VT-x
CardBus PCMCIA slot type	✗	TV tuner integrated	✗
SmartCard slot	✗		

<b>Ports &amp; interfaces</b>	
Number of SATA III connectors	4
<b>Keyboard</b>	
Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✗
Windows keys	✓
<b>Software</b>	
Operating system architecture	64-bit

## Catalog Object Cloud



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