



## Lenovo IdeaPad Y50-70 Intel® Core™ i7 i7-4710HQ Laptop 39,6 cm (15.6") Full HD 16 GB DDR3L-SDRAM 256 GB SSD NVIDIA® GeForce® GTX 860M Silver

Brand : Lenovo

Product family: IdeaPad

Product code: 59424709

Product name : Y50-70

Intel Core i7-4710HQ (6M Cache, 2.5GHz), 16GB DDR3 RAM, 256GB SSD, 15.6" FHD 1920x1080, NVIDIA GeForce GTX860M 4GB, 802.11bgn, Gigabit Ethernet, Bluetooth 4.0, FreeDOS  
Lenovo IdeaPad Y50-70. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4710HQ, Processor frequency: 2,5 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4600, Discrete graphics card model: NVIDIA® GeForce® GTX 860M. Product colour: Silver



Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Silver	Numeric keypad *	✓
Form factor *	Clamshell	Full-size keyboard	✓
Display		Windows keys	✓
Display diagonal *	39.6 cm (15.6")	Software	
Display resolution *	1920 x 1080 pixels	Operating system installed *	×
Touchscreen *	×	Processor special features	
HD type	Full HD	Intel® Wireless Display (Intel® WiDi)	✓
LED backlight	✓	Intel® My WiFi Technology (Intel® MWT)	×
Native aspect ratio	16:9	Intel Smart Connect Technology	×
Display surface	Gloss	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor		Intel® Rapid Start Technology	×
Processor manufacturer *	Intel	Intel® Smart Response Technology	×
Processor family *	Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor generation	4th gen Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	i7-4710HQ	Intel® Turbo Boost Technology	2.0
Processor cores	4	Intel® Small Business Advantage (Intel® SBA)	×
Processor threads	8	Intel® Matrix Storage Technology (Intel® MST)	×
Processor boost frequency	3.5 GHz	Intel® High Definition Audio (Intel® HD Audio)	×
Processor frequency *	2.5 GHz	Intel® Active Management Technology (Intel® AMT)	×
System bus rate	5 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	6 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache	Intel Clear Video Technology	×
Processor socket	BGA 1364	Intel® InTru™ 3D Technology	✓
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4700 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	×		
Stepping	C0		
Thermal Design Power (TDP)	47 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® Insider™	✓
PCI Express slots version	3.0	Intel® Quick Sync Video Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Flex Memory Access	✗
ECC supported by processor	✗	Intel® Smart Cache	✓
Memory		Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory *	16 GB	Intel Trusted Execution Technology	✗
Internal memory type	DDR3L-SDRAM	Intel Enhanced Halt State	✓
Memory clock speed	1600 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	SO-DIMM	Intel Demand Based Switching	✗
Memory slots	2x SO-DIMM	Intel® Secure Key	✓
Maximum internal memory *	16 GB	Intel TSX-NI	✗
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Total storage capacity *	256 GB	Intel 64	✓
Storage media *	SSD	Execute Disable Bit	✓
Number of SSDs installed	1	Idle States	✓
SSD capacity	256 GB	Thermal Monitoring Technologies	✓
Card reader integrated	✓	Processor package size	37.5 x 32 x 1.6 mm
Compatible memory cards	SD, SDIO, SDXC	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Graphics		Processor code	SR1PX
Discrete graphics card model *	NVIDIA® GeForce® GTX 860M	CPU configuration (max)	1
Discrete graphics card memory	4 GB	Embedded options available	✗
Discrete graphics memory type	GDDR5	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card *	✓	Intel Identity Protection Technology version	1.00
Discrete graphics card *	✓	Intel Secure Key Technology version	1.00
On-board graphics card family	Intel® HD Graphics	Intel TSX-NI version	0.00
On-board graphics card model *	Intel® HD Graphics 4600	Intel Virtualization Technology (VT-x)	✓
On-board graphics card base frequency	400 MHz	Intel Dual Display Capable Technology	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Intel FDI Technology	✓
Maximum on-board graphics card memory	1.74 GB	Intel Rapid Storage Technology	✗
On-board graphics card DirectX version	12.0	Intel Fast Memory Access	✗
On-board graphics card OpenGL version	4.3	Processor ARK ID	78930
On-board graphics card ID	0x416	Conflict-Free processor	✓
Number of discrete graphics cards supported	1	Battery	
Number of discrete graphics cards installed	1	Battery technology	Lithium Polymer (LiPo)
Audio		Number of battery cells	6
Audio system	Dolby Advanced v2	Power	
Number of built-in speakers	2	AC adapter power	135 W
Speakers manufacturer	JBL	AC adapter frequency	50 - 60 Hz
Built-in microphone	✓	AC adapter input voltage	100 - 240 V
Camera		DC-in jack	✓
Front camera	✓	Security	
Front camera resolution (numeric)	0.92 MP	Cable lock slot	✗
Front camera resolution	1280 x 720 pixels	Fingerprint reader	✗
Network		Weight & dimensions	
Wi-Fi	✓	Width	387 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	263 mm
Ethernet LAN	✓	Height	22.8 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	2.44 kg
Bluetooth	✓		
Bluetooth version	4.0		

Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	1	AC adapter included *	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Cables included	AC
Ethernet LAN (RJ-45) ports	1	Manual	✓
HDMI ports quantity *	1	Quick start guide	✓
DVI port	✗	Warranty card	✓
Headphone outputs	1	Other features	
S/PDIF out port	✗	3D	✗
Combo headphone/mic port	✓	Swivel webcam	✗
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		

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