



Lenovo IdeaCentre B50-30 Intel® Core™ i5 i5-4460S 23.8" 1920 x 1080 pixels Touchscreen All-in-One PC 4 GB DDR3L-SDRAM 1 TB Hybrid-HDD NVIDIA® GeForce® GT 840A Windows 8.1 Wi-Fi 4 (802.11n) Black

Brand : Lenovo

Product family: IdeaCentre

Article code: F0AU00CXFR

Product name : B50-30

23.8" FHD LED (1920x1080), Intel Core i5-4460S (6M Cache, up to 3.40 GHz), 4GB DDR3L 1600MHz SDRAM, 1TB SSHD, Intel HD Graphics 4600 + Nvidia Geforce 840A 2GB, Wi-Fi 802.11 b/g/n, Bluetooth 4.0, DVD±RW, Windows 8.1 64-bit
Lenovo IdeaCentre B50-30. Product type: All-in-One PC. Display diagonal: 23.8", HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen. Processor family: Intel® Core™ i5, Processor frequency: 2.9 GHz. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 1 TB, Storage media: Hybrid-HDD. Discrete graphics card model: NVIDIA® GeForce® GT 840A. Optical drive type: DVD±RW. Operating system installed: Windows 8.1. Product color: Black



Display		Ports & interfaces	
Display diagonal *	23.8"	USB 2.0 ports quantity *	3
Display resolution *	1920 x 1080 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✓	HDMI ports quantity *	1
Full HD	✓	Headphone outputs	1
HD type *	Full HD	Microphone in	✓
LED backlight	✓	Design	
Touch technology	Multi-touch	Product color *	Black
Native aspect ratio	16:9	Performance	
Display brightness	250 cd/m²	Product type *	All-in-One PC
Processor		Motherboard chipset	Intel® H81
Processor manufacturer *	Intel	BIOS password	✓
Processor family *	Intel® Core™ i5	Placement supported	Horizontal
Processor generation	4th gen Intel® Core™ i5	Software	
Processor model *	i5-4460S	Operating system architecture	64-bit
Processor cores	4	Operating system installed *	Windows 8.1
Processor threads	4	Processor special features	
Processor boost frequency	3.4 GHz	Intel® Smart Response Technology	✗
Processor frequency *	2.9 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	6 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor cache type	Smart Cache	Intel® My WiFi Technology (Intel® MWT)	✓
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
64-bit computing	✓	Intel® Anti-Theft Technology (Intel® AT)	✓
Thermal Design Power (TDP)	65 W	Intel® Rapid Start Technology	✗
PCI Express slots version	3.0	Intel Smart Connect Technology	✗
Processor socket	LGA 1150 (Socket H3)	Intel® Small Business Advantage (Intel® SBA)	✗
Processor lithography	22 nm	Intel® Wireless Display (Intel® WiDi)	✓
Processor operating modes	32-bit, 64-bit		
Stepping	C0		
Bus type	DMI2		
Processor codename	Haswell		
Processor series	Intel Core i5-4400 Desktop series		
FSB Parity	✗		
Maximum number of PCI Express lanes	16		

Processor		Processor special features	
PCI Express configurations	1x16, 2x8, 1x8+2x4	Enhanced Intel SpeedStep Technology	✓
Processor code	SR1QQ	Intel® Quick Sync Video Technology	✓
Tcase	71.35 °C	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Maximum internal memory supported by processor	32 GB	Intel Clear Video Technology	✗
Conflict-Free processor	✓	Intel® Insider™	✓
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM	Intel® InTru™ 3D Technology	✓
Memory clock speeds supported by processor	1333,1600 MHz	Intel Flex Memory Access	✗
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel® Smart Cache	✓
Memory channels supported by processor	Dual	Intel® AES New Instructions (Intel® AES-NI)	✓
ECC supported by processor	✗	Intel Trusted Execution Technology	✗
Memory voltage supported by processor	1.5 V	Intel Enhanced Halt State	✓
Memory		Intel VT-x with Extended Page Tables (EPT)	✓
		Intel Demand Based Switching	✗
Internal memory *	4 GB	Intel® Secure Key	✓
Internal memory type	DDR3L-SDRAM	Intel TSX-NI	✗
Maximum internal memory *	16 GB	Intel Stable Image Platform Program (SIPP)	✗
Memory slots	2	Intel® OS Guard	✓
Memory slots type	SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1600 MHz	Intel 64	✓
Memory layout (slots x size)	1 x 4 GB	Execute Disable Bit	✓
Storage		Idle States	✓
		Thermal Monitoring Technologies	✓
Total storage capacity *	1 TB	Processor package size	37.5 x 37.5 mm
Storage media *	Hybrid-HDD	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Number of storage drives installed	1	Scalability	15
Number of HDDs installed	1	CPU configuration (max)	1
HDD interface	SATA III	Embedded options available	✗
Hybrid-HDD cache memory	8 GB	Graphics & IMC lithography	22 nm
Optical drive type *	DVD±RW	Thermal solution specification	PCG 2013C
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, SDHC, SDXC	Intel Identity Protection Technology version	1.00
Graphics		Intel Stable Image Platform Program (SIPP) version	0.00
		Intel Secure Key Technology version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GT 840A	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Intel Small Business Advantage (SBA) version	1.00
On-board graphics card *	✓	Intel TSX-NI version	0.00
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✗
On-board graphics card model *	Intel® HD Graphics 4600	Intel FDI Technology	✓
On-board graphics card base frequency	350 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Fast Memory Access	✗
Maximum on-board graphics card memory	1.74 GB	Processor ARK ID	80818
Number of displays supported (on-board graphics)	3	Weight & dimensions	
On-board graphics card DirectX version	11.1		
On-board graphics card OpenGL version	4.3	Width (with stand)	18.5" (470 mm)
On-board graphics card ID	412	Depth (with stand)	8.07" (205 mm)
Audio		Height (with stand)	22.9" (581 mm)
		Weight (with stand)	19.8 lbs (8.99 kg)
Built-in speaker(s) *	✓		
RMS rated power	6 W		
Speakers manufacturer	JBL		
Built-in microphone	✓		
Audio system	Dolby Home Theater		

Camera		Packaging content	
Built-in camera *	✓	Mouse included	✗
Total megapixels	2 MP	Keyboard included	✗
Camera resolution	1920 x 1080 pixels	Power cord included	✓
Optical drive		Manual	✓
Optical drive interface	SATA	Other features	
Network		Storage drive interface	Serial ATA III
Wi-Fi *	✓	Autonomy mode	✗
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN *	✓		
Bluetooth *	✓		
Bluetooth version	4.0		
Ports & interfaces			
Ethernet LAN (RJ-45) ports	1		

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