



DELL Inspiron 17R Intel® Core™ i7 i7-4500U Laptop 43,9 cm (17.3") Full HD 16 GB DDR3-SDRAM 1 TB HDD AMD Radeon HD 8870M Wi-Fi 4 (802.11n) Windows 8 Grey, Silver



Brand : DELL

Product family: Inspiron

Product code: 5737-1432

Product name : 17R

Intel Core i7-4500U Processor (4M Cache, up to 3.00 GHz), 16GB DDR3 1600MHz, 1TB SATA HDD, 17.3" LED FHD 1920 x 1080, AMD Radeon HD 8870M 2GB DDR5, DVD Super Multi, Fast LAN, WLAN, Bluetooth, WebCam, Windows 8 64-bit

DELL Inspiron 17R. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-4500U, Processor frequency: 1,8 GHz. Display diagonal: 43,9 cm (17.3"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. Operating system installed: Windows 8. Product colour: Grey, Silver



Design		Software	
Product type *	Laptop	Operating system installed *	Windows 8
Product colour *	Grey, Silver	Processor special features	
Form factor *	Clamshell		
Display		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	43,9 cm (17.3")	Intel® My WiFi Technology (Intel® MWT)	✓
Display resolution *	1920 x 1080 pixels	Intel Smart Connect Technology	✓
Touchscreen *	✗	Intel® Anti-Theft Technology (Intel® AT)	✓
HD type	Full HD	Intel® Identity Protection Technology (Intel® IPT)	✓
LED backlight	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Native aspect ratio	16:9	Intel® Turbo Boost Technology	2.0
Display surface	Matt	Intel® Matrix Storage Technology (Intel® MST)	✓
Processor		Intel® High Definition Audio (Intel® HD Audio)	✓
Processor manufacturer *	Intel	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Core™ i7	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor generation	4th gen Intel® Core™ i7	Intel Clear Video Technology	✗
Processor model *	i7-4500U	Intel® InTru™ 3D Technology	✓
Processor cores	2	Intel® Insider™	✓
Processor threads	4	Intel® Quick Sync Video Technology	✓
Processor boost frequency	3 GHz	Intel Flex Memory Access	✗
Processor frequency *	1,8 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache	4 MB	Intel Trusted Execution Technology	✗
Processor cache type	Smart Cache	Intel Enhanced Halt State	✓
Processor socket	BGA 1168		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i7-4500 Mobile series		
Processor codename	Haswell		
Bus type	DMI2		
FSB Parity	✗		

Processor		Processor special features	
Stepping	C0	Intel VT-x with Extended Page Tables (EPT)	✓
Thermal Design Power (TDP)	15 W	Intel Demand Based Switching	✗
Tjunction	100 °C	Intel® Secure Key	✓
Maximum number of PCI Express lanes	12	Intel TSX-NI	✗
PCI Express slots version	2.0	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
PCI Express configurations	2x4	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	16 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR3-SDRAM	Processor package size	40 x 24 x 1.5 mm
Memory clock speed	1600 MHz	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory form factor	SO-DIMM	Processor code	SR16Z
Memory layout (slots x size)	2 x 8 GB	CPU configuration (max)	1
Memory slots	2x SO-DIMM	Embedded options available	✗
Maximum internal memory *	16 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Storage		Intel Smart Connect Technology version	1,00
Total storage capacity *	1 TB	Intel Identity Protection Technology version	1,00
Storage media *	HDD	Intel Secure Key Technology version	1,00
Number of hard drives installed	1	Intel ME Firmware Version	9.5
Hard drive capacity	1 TB	Intel TSX-NI version	0,00
Hard drive interface	SATA	Intel Virtualization Technology (VT-x)	✓
Hard drive speed	5400 RPM	Intel Dual Display Capable Technology	✗
Hard drive size	2.5"	Intel FDI Technology	✓
Optical drive type *	DVD Super Multi	Intel Rapid Storage Technology	✓
Card reader integrated	✓	Intel Fast Memory Access	✗
Compatible memory cards	Memory Stick (MS), MMC, MMC+, MS PRO, MSXC, SD, SDHC, SDXC	Processor ARK ID	75460
Graphics		Conflict-Free processor	✓
Discrete graphics card model *	AMD Radeon HD 8870M	Battery	
Discrete graphics card memory	2 GB	Battery technology	Lithium-Ion (Li-Ion)
Discrete graphics memory type	GDDR5	Number of battery cells	6
On-board graphics card *	✓	Battery capacity	3000 mAh
Discrete graphics card *	✓	Battery capacity *	65 Wh
On-board graphics card family	Intel® HD Graphics	Power	
On-board graphics card model *	Intel® HD Graphics 4400	AC adapter frequency	50 - 60 Hz
On-board graphics card base frequency	200 MHz	AC adapter input voltage	100 - 240 V
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter output voltage	19.5 V
Maximum on-board graphics card memory	1,74 GB	Power auto-sensing	✓
On-board graphics card DirectX version	12	DC-in jack	✓
On-board graphics card ID	0xA16	Security	
Number of discrete graphics cards installed	1	Cable lock slot	✓
Audio		Cable lock slot type	Kensington
Audio system	Waves MaxxAudio 4	Password protection	✓
Number of built-in speakers	2	Operational conditions	
Built-in microphone	✓	Operating temperature (T-T)	0 - 35 °C
Camera		Storage temperature (T-T)	-40 - 65 °C
Front camera	✓	Operating relative humidity (H-H)	10 - 90%
Network		Storage relative humidity (H-H)	10 - 95%
Wi-Fi	✓	Operating altitude	-15,2 - 3048 m
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Non-operating altitude	-15,2 - 10668 m
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Operating shock	110 G
Ethernet LAN	✓		

Network		Operational conditions	
Ethernet LAN data rates	10,100 Mbit/s	Non-operating shock	160 G
Bluetooth	✓	Operating vibration	0,66 G
Bluetooth version	4.0	Non-operating vibration	1,3 G
Ports & interfaces		Sustainability	
USB 2.0 ports quantity *	2	Sustainability certificates	ENERGY STAR
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight & dimensions	
Ethernet LAN (RJ-45) ports	1	Width	412 mm
HDMI ports quantity *	1	Depth	270 mm
HDMI version	1.4a	Height (front)	2,83 cm
DVI port	✗	Height (rear)	3,56 cm
S/PDIF out port	✗	Weight *	2,95 kg
Microphone in	✗	Packaging content	
Combo headphone/mic port	✓	AC adapter included *	✓
Docking connector	✗	Cables included	AC
ExpressCard slot	✗	Manual	✓
CardBus PCMCIA slot type	✗	Quick start guide	✓
SmartCard slot	✗	Warranty card	✓
Total number of SATA connectors	4	Other features	
Number of SATA III connectors	4	Disc types supported	CD, DVD
Keyboard		3D	✗
Pointing device	Touchpad	Maximum internal memory (64-bit)	16 GB
Numeric keypad *	✓	Intel® Virtualization Technology (Intel® VT)	VT-x
Windows keys	✓		
Software			
Operating system architecture	64-bit		
Drivers included	✓		

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