



DELL Inspiron 3442 Intel® Core™ i5 i5-4210U Laptop 35,6 cm (14")
4 GB DDR3L-SDRAM 500 GB HDD NVIDIA® GeForce® 820M
FreeDOS Black, Red

Brand : DELL

Product family: Inspiron

Product code: 3442-21452G-D-RED

Product name : 3442

Intel Core i5-4210U Processor (3M Cache, up to 2.70 GHz), 4GB DDR3L 1600MHz, 500GB SATA HDD, 14" HD LED 1366 x 768, nVidia GeForce 820M 2GB, DVD Super Multi, Fast LAN, WLAN, Bluetooth, WebCam, FreeDOS

DELL Inspiron 3442. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-4210U, Processor frequency: 1,7 GHz. Display diagonal: 35,6 cm (14"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: FreeDOS. Product colour: Black, Red



Design		Software	
Product type *	Laptop	Drivers included	✓
Product colour *	Black, Red	Operating system installed *	FreeDOS
Form factor *	Clamshell	Processor special features	
Display		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	35,6 cm (14")	Intel® My WiFi Technology (Intel® MWT)	✗
Display resolution *	1366 x 768 pixels	Intel Smart Connect Technology	✓
Touchscreen *	✗	Intel® Anti-Theft Technology (Intel® AT)	✓
HD type	Not supported	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
Pixel pitch	0,2265 x 0,2265 mm	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™ i5	Intel® Built-in Visuals Technology	✓
Processor generation	4th gen Intel® Core™ i5	Intel HD Graphics	✓
Processor model *	i5-4210U	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cores	2	Intel Clear Video Technology	✗
Processor threads	4	Intel® InTru™ 3D Technology	✓
Processor boost frequency	2,7 GHz	Intel® Insider™	✓
Processor frequency *	1,7 GHz	Intel® Quick Sync Video Technology	✓
System bus rate	5 GT/s		
Processor cache	3 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1168		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-4200 Mobile series		
Processor codename	Haswell		

Processor		Processor special features	
Bus type	DMI2	Intel Flex Memory Access	✗
FSB Parity	✗	Intel® Smart Cache	✓
Stepping	D0	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	15 W	Intel Trusted Execution Technology	✗
Tjunction	100 °C	Intel Enhanced Halt State	✓
Maximum number of PCI Express lanes	12	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	2.0	Intel Demand Based Switching	✗
PCI Express configurations	4x1, 2x4	Intel® Secure Key	✓
ECC supported by processor	✗	Intel TSX-NI	✗
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory *	4 GB	Intel 64	✓
Internal memory type	DDR3L-SDRAM	Execute Disable Bit	✓
Memory clock speed	1600 MHz	Idle States	✓
Memory form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Memory layout (slots x size)	1 x 4 GB	Processor package size	40 x 24 x 1.5 mm
Memory slots	1x SO-DIMM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Maximum internal memory *	8 GB	Processor code	SR1EF
Storage		CPU configuration (max)	1
Total storage capacity *	500 GB	Embedded options available	✗
Storage media *	HDD	UART	✓
Number of HDDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✗
HDD capacity	500 GB	Intel Smart Connect Technology version	1,00
HDD interface	SATA III	Intel Identity Protection Technology version	1,00
HDD speed	5400 RPM	Intel Secure Key Technology version	1,00
HDD size	2.5"	Intel ME Firmware Version	9.5
Optical drive type *	DVD Super Multi	Intel TSX-NI version	0,00
Card reader integrated	✓	Intel Virtualization Technology (VT-x)	✓
Compatible memory cards	SD, SDHC, SDXC	Intel Dual Display Capable Technology	✗
Graphics		Intel FDI Technology	✗
Discrete graphics card model *	NVIDIA® GeForce® 820M	Intel Rapid Storage Technology	✓
Discrete graphics card memory	2 GB	Intel Fast Memory Access	✗
Discrete graphics memory type	GDDR3	Processor ARK ID	81016
On-board graphics card *	✓	Conflict-Free processor	✓
Discrete graphics card *	✓	Battery	
On-board graphics card family	Intel® HD Graphics	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card model *	Intel® HD Graphics 4400	Number of battery cells	4
On-board graphics card base frequency	200 MHz	Battery capacity *	40 Wh
On-board graphics card dynamic frequency (max)	1000 MHz	Battery voltage	14,8 V
Maximum on-board graphics card memory	1,74 GB	Battery recharge time	4 h
On-board graphics card DirectX version	12	Power	
On-board graphics card ID	0xA16	AC adapter power	65 W
Number of discrete graphics cards installed	1	AC adapter frequency	50 - 60 Hz
Graphics card Open GL support	✓	AC adapter input voltage	100 - 240 V
NVIDIA G-SYNC	✗	AC adapter output voltage	19.5 V
NVIDIA GameWorks VR	✗	DC-in jack	✓
CUDA	✓	Security	
Audio		Cable lock slot	✓
Audio system	MaxxAudio	Password protection	✓
Number of built-in speakers	2		
Speakers manufacturer	Waves		
Speaker power	2 W		
Built-in microphone	✓		

Camera		Operational conditions	
Front camera	✓	Operating temperature (T-T)	0 - 40 °C
Front camera resolution (numeric)	1 MP	Storage temperature (T-T)	-40 - 65 °C
Network		Operating relative humidity (H-H)	10 - 90%
Wi-Fi	✓	Storage relative humidity (H-H)	0 - 95%
Wi-Fi standards	802.11g, 802.11b, Wi-Fi 4 (802.11n)	Operating vibration	0,66 G
Ethernet LAN	✓	Non-operating vibration	1,3 G
Ethernet LAN data rates	10,100 Mbit/s	Sustainability	
Bluetooth	✓	Sustainability certificates	EPEAT Silver, ENERGY STAR
Bluetooth version	4.0	Weight & dimensions	
Ports & interfaces		Width	346 mm
USB 2.0 ports quantity *	2	Depth	246 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Height	25,4 mm
Ethernet LAN (RJ-45) ports	1	Weight *	2,01 kg
HDMI ports quantity *	1	Packaging content	
DVI port	✗	AC adapter included *	✓
S/PDIF out port	✗	Manual	✓
Microphone in	✗	Quick start guide	✓
Combo headphone/mic port	✓	Warranty card	✓
Docking connector	✗	Other features	
ExpressCard slot	✗	Disc types supported	DVD, CD
CardBus PCMCIA slot type	✗	3D	✗
SmartCard slot	✗	Maximum internal memory (64-bit)	8 GB
Total number of SATA connectors	4	Intel® Virtualization Technology (Intel® VT)	VT-x
Number of SATA III connectors	4	Intel segment tagging	Home office
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✗		
Windows keys	✓		

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