DELL

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

Product type *	Laptop
Product colour *	Black, Red
Form factor *	Clamshell

Display

Display diagonal *	35,6 cm (14")
Display resolution *	1366 x 768 pixels
Touchscreen *	✗
HD type	Not supported
LED backlight	✔
Native aspect ratio	16:9
Pixel pitch	0,2265 x 0,2265 mm

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	4th gen Intel® Core™ i5
Processor model *	i5-4210U
Processor cores	2
Processor threads	4
Processor boost frequency	2,7 GHz
Processor frequency *	1,7 GHz
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

Software

Drivers included	✔
Operating system installed *	FreeDOS

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✗
Intel Smart Connect Technology	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Matrix Storage Technology (Intel® MST)	✗
Intel® High Definition Audio (Intel® HD Audio)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Built-in Visuals Technology	✔
Intel HD Graphics	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔

Processor

Bus type	DMI2
FSB Parity	✗
Stepping	D0
Thermal Design Power (TDP)	15 W
Tjunction	100 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	4x1, 2x4
ECC supported by processor	✗

Memory

Internal memory *	4 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	1 x 4 GB
Memory slots	1x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	500 GB
HDD interface	SATA III
HDD speed	5400 RPM
HDD size	2.5"
Optical drive type *	DVD Super Multi
Card reader integrated	✔
Compatible memory cards	SD, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® 820M
Discrete graphics card memory	2 GB
Discrete graphics memory type	GDDR3
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4400
On-board graphics card base frequency	200 MHz
On-board graphics card dynamic frequency (max)	1000 MHz
Maximum on-board graphics card memory	1,74 GB
On-board graphics card DirectX version	12
On-board graphics card ID	0xA16
Number of discrete graphics cards installed	1
Graphics card Open GL support	✔
NVIDIA G-SYNC	✗
NVIDIA GameWorks VR	✗
CUDA	✔

Audio

Audio system	MaxxAudio
Number of built-in speakers	2
Speakers manufacturer	Waves
Speaker power	2 W
Built-in microphone	✔

Processor special features

Intel Flex Memory Access	✗
Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✗
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✗
Intel® Secure Key	✔
Intel TSX-NI	✗
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	40 x 24 x 1.5 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR1EF
CPU configuration (max)	1
Embedded options available	✗
UART	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✗
Intel Smart Connect Technology version	1,00
Intel Identity Protection Technology version	1,00
Intel Secure Key Technology version	1,00
Intel ME Firmware Version	9.5
Intel TSX-NI version	0,00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✗
Intel FDI Technology	✗
Intel Rapid Storage Technology	✔
Intel Fast Memory Access	✗
Processor ARK ID	81016
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	40 Wh
Battery voltage	14,8 V
Battery recharge time	4 h

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output voltage	19.5 V
DC-in jack	✔

Security

Cable lock slot	✔
Password protection	✔

Camera

Front camera	✔
Front camera resolution (numeric)	1 MP

Network

Wi-Fi	✔
Wi-Fi standards	802.11g, 802.11b, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 2.0 ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✘
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘
Total number of SATA connectors	4
Number of SATA III connectors	4

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Windows keys	✔

Operational conditions

Operating temperature (T-T)	0 - 40 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	10 - 90%
Storage relative humidity (H-H)	0 - 95%
Operating vibration	0,66 G
Non-operating vibration	1,3 G

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

Width	346 mm
Depth	246 mm
Height	25,4 mm
Weight *	2,01 kg

Packaging content

AC adapter included *	✔
Manual	✔
Quick start guide	✔
Warranty card	✔

Other features

Disc types supported	DVD, CD
3D	✘
Maximum internal memory (64-bit)	8 GB
Intel® Virtualization Technology (Intel® VT)	VT-x
Intel segment tagging	Home office

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