DELL Inspiron 3542 Intel® Core™ i3 i3-4005U Laptop 39,6 cm (15.6") HD 4 GB DDR3L-SDRAM 500 GB HDD NVIDIA® GeForce® 820M Linux Black, Blue

Brand : DELL **Product family:** Inspiron **Product code:** 3542-9453

Product name : 3542

Intel Core i3-4005U Processor (3M Cache, 1.70 GHz), 4GB DDR3L 1600MHz, 500GB SATA HDD, 39.624 cm (15.6 ") LED HD 1366 x 768, nVidia GeForce 820M 2GB, DVD Super Multi, Fast LAN, WLAN, Bluetooth, WebCam, Linux

DELL Inspiron 3542. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor model: i3-4005U, Processor frequency: 1,7 GHz. Display diagonal: 39,6 cm (15.6"), HD type: HD, 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. Operating system installed: Linux. Product colour: Black, Blue

Design	
Product type *	Laptop
Product colour *	Black, Blue
Form factor *	Clamshell

Display	
Display diagonal *	39,6 cm (15.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✗
HD type	HD
LED backlight	✔
Native aspect ratio	16:9
Pixel pitch	0,252 x 0,252 mm

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i3
Processor generation	4th gen Intel® Core™ i3
Processor model *	i3-4005U
Processor cores	2
Processor threads	4
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™ i3-4000 Mobile Series
Processor codename	Haswell
Bus type	DMI
FSB Parity	✗
Thermal Design Power (TDP)	15 W
Tjunction	100 °C

Processor special features	
Intel® My WiFi Technology (Intel® MWT)	✗
Intel Smart Connect Technology	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Smart Response Technology	✗
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	✗
Intel® Small Business Advantage (Intel® SBA)	✗
Intel® Matrix Storage Technology (Intel® MST)	✗
Intel® High Definition Audio (Intel® HD Audio)	✔
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
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	✗

Processor

Maximum number of PCI Express lanes	10
PCI Express slots version	2.0
PCI Express configurations	4x1, 1x4
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)	950 MHz
Maximum on-board graphics card memory	2 GB
On-board graphics card DirectX version	12
On-board graphics card ID	0xA16
Number of discrete graphics cards supported	1
Number of discrete graphics cards installed	1

Audio

Audio system	MaxxAudio
Speakers manufacturer	Waves
Speaker power	2 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	0,92 MP
Front camera resolution	1280 x 720 pixels
Video capturing speed	30 fps

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)

Processor special features

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
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 Smart Response Technology version	0,00
Intel Secure Key Technology version	1,00
Intel Small Business Advantage (SBA) version	0,00
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	75105
Conflict-Free processor	✔

Battery

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

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	3,34 A
AC adapter output voltage	19.5 V
Power auto-sensing	✔
DC-in jack	✔

Security

Cable lock slot	✔
Password protection	✔

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 altitude	-15,2 - 3048 m

Network

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
HDMI version	1.4a
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	2
Number of SATA III connectors	2

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔
Windows keys	✔

Software

Drivers included	✔
Operating system installed *	Linux

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔

Operational conditions

Non-operating altitude	-15,2 - 10668 m
Operating shock	110 G
Non-operating shock	160 G
Operating vibration	0,66 G
Non-operating vibration	1,3 G

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

Width	381,4 mm
Depth	267,6 mm
Height	25,6 mm
Weight *	2,4 kg

Packaging content

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

Other features

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

Catalog Object Cloud