



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		Processor special features	
Product type *	Laptop	Intel® My WiFi Technology (Intel® MWT)	✗
Product colour *	Black, Blue	Intel Smart Connect Technology	✓
Form factor *	Clamshell	Intel® Anti-Theft Technology (Intel® AT)	✓
Display		Intel® Smart Response Technology	✗
Display diagonal *	39,6 cm (15.6")	Intel® Identity Protection Technology (Intel® IPT)	✓
Display resolution *	1366 x 768 pixels	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Touchscreen *	✗	Intel® Turbo Boost Technology	✗
HD type	HD	Intel® Small Business Advantage (Intel® SBA)	✗
LED backlight	✓	Intel® Matrix Storage Technology (Intel® MST)	✗
Native aspect ratio	16:9	Intel® High Definition Audio (Intel® HD Audio)	✓
Pixel pitch	0,252 x 0,252 mm	Enhanced Intel SpeedStep Technology	✓
Processor		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor manufacturer *	Intel	Intel Clear Video Technology	✗
Processor family *	Intel® Core™ i3	Intel® InTru™ 3D Technology	✓
Processor generation	4th gen Intel® Core™ i3	Intel® Insider™	✓
Processor model *	i3-4005U	Intel® Quick Sync Video Technology	✓
Processor cores	2	Intel Flex Memory Access	✗
Processor threads	4	Intel® Smart Cache	✓
Processor frequency *	1,7 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
System bus rate	5 GT/s	Intel Trusted Execution Technology	✗
Processor cache	3 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache	Intel VT-x with Extended Page Tables (EPT)	✓
Processor socket	BGA 1168	Intel Demand Based Switching	✗
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		Processor special features	
Maximum number of PCI Express lanes	10	Intel® Secure Key	✓
PCI Express slots version	2.0	Intel TSX-NI	✗
PCI Express configurations	4x1, 1x4	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
ECC supported by processor	✗	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	4 GB	Idle States	✓
Internal memory type	DDR3L-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	1600 MHz	Processor package size	40 x 24 x 1.5 mm
Memory form factor	SO-DIMM	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Memory layout (slots x size)	1 x 4 GB	CPU configuration (max)	1
Memory slots	1x SO-DIMM	Embedded options available	✗
Maximum internal memory *	8 GB	UART	✓
Storage		Intel Virtualization Technology for Directed I/O (VT-d)	✗
Total storage capacity *	500 GB	Intel Smart Connect Technology version	1,00
Storage media *	HDD	Intel Identity Protection Technology version	1,00
Number of hard drives installed	1	Intel Smart Response Technology version	0,00
Hard drive capacity	500 GB	Intel Secure Key Technology version	1,00
Hard drive interface	SATA III	Intel Small Business Advantage (SBA) version	0,00
Hard drive speed	5400 RPM	Intel ME Firmware Version	9.5
Hard drive size	2.5"	Intel TSX-NI version	0,00
Optical drive type *	DVD Super Multi	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Intel Dual Display Capable Technology	✗
Compatible memory cards	SD, SDHC, SDXC	Intel FDI Technology	✗
Graphics		Intel Rapid Storage Technology	✓
Discrete graphics card model *	NVIDIA® GeForce® 820M	Intel Fast Memory Access	✗
Discrete graphics card memory	2 GB	Processor ARK ID	75105
Discrete graphics memory type	GDDR3	Conflict-Free processor	✓
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card family	Intel® HD Graphics	Number of battery cells	4
On-board graphics card model *	Intel® HD Graphics 4400	Battery capacity *	40 Wh
On-board graphics card base frequency	200 MHz	Battery voltage	14,8 V
On-board graphics card dynamic frequency (max)	950 MHz	Power	
Maximum on-board graphics card memory	2 GB	AC adapter power	65 W
On-board graphics card DirectX version	12	AC adapter frequency	50 - 60 Hz
On-board graphics card ID	0xA16	AC adapter input voltage	100 - 240 V
Number of discrete graphics cards supported	1	AC adapter output current	3,34 A
Number of discrete graphics cards installed	1	AC adapter output voltage	19.5 V
Audio		Power auto-sensing	✓
Audio system	MaxxAudio	DC-in jack	✓
Speakers manufacturer	Waves	Security	
Speaker power	2 W	Cable lock slot	✓
Built-in microphone	✓	Password protection	✓
Camera		Operational conditions	
Front camera	✓	Operating temperature (T-T)	0 - 40 °C
Front camera resolution (numeric)	0,92 MP	Storage temperature (T-T)	-40 - 65 °C
Front camera resolution	1280 x 720 pixels	Operating relative humidity (H-H)	10 - 90%
Video capturing speed	30 fps	Storage relative humidity (H-H)	0 - 95%
Network		Operating altitude	-15,2 - 3048 m
Wi-Fi	✓		
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		

Network		Operational conditions	
Ethernet LAN	✓	Non-operating altitude	-15,2 - 10668 m
Ethernet LAN data rates	10,100 Mbit/s	Operating shock	110 G
Bluetooth	✓	Non-operating shock	160 G
Bluetooth version	4.0	Operating vibration	0,66 G
		Non-operating vibration	1,3 G
Ports & interfaces		Sustainability	
USB 2.0 ports quantity *	2	Sustainability certificates	EPEAT Silver, ENERGY STAR
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Weight & dimensions	
Ethernet LAN (RJ-45) ports	1	Width	381,4 mm
HDMI ports quantity *	1	Depth	267,6 mm
HDMI version	1.4a	Height	25,6 mm
DVI port	✗	Weight *	2,4 kg
S/PDIF out port	✗	Packaging content	
Microphone in	✗	AC adapter included *	✓
Combo headphone/mic port	✓	Manual	✓
Docking connector	✗	Quick start guide	✓
ExpressCard slot	✗	Warranty card	✓
CardBus PCMCIA slot type	✗	Power cord included	✓
SmartCard slot	✗	Other features	
Total number of SATA connectors	2	Disc types supported	CD, DVD
Number of SATA III connectors	2	3D	✗
Keyboard		Maximum internal memory (64-bit)	8 GB
Pointing device	Touchpad	Intel® Virtualization Technology (Intel® VT)	VT-x
Numeric keypad *	✓	Intel segment tagging	Home office
Windows keys	✓		
Software			
Drivers included	✓		
Operating system installed *	Linux		
Processor special features			
Intel® Wireless Display (Intel® WiDi)	✓		

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