



**DELL Inspiron 7520 Intel® Core™ i7 i7-3612QM 39,6 cm (15.6")  
Full HD 8 GB DDR3-SDRAM 1 TB HDD AMD Radeon HD 7730M  
Windows 7 Home Premium Black, Silver**

**Brand :** DELL

**Product family:** Inspiron

**Product code:** INSAUDSE1517

**Product name :** 7520

Intel Core i7-3612QM Processor (6M Cache, up to 3.10 GHz), Intel HM77, 15.6" WLED, 8GB DDR3 1600MHz, 1TB SATA HDD, AMD Radeon HD 7730M 2GB, DVD Super Multi, Gigabit Ethernet, WLAN 802.11 b/g/n, Bluetooth, WebCam, Windows 7 Home Premium 64-bit  
DELL Inspiron 7520. Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3612QM, Processor frequency: 2,1 GHz. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 7 Home Premium. Product colour: Black, Silver



Design		Keyboard	
Product colour *	Black, Silver	Pointing device	Touchpad
Form factor *	Clamshell	Numeric keypad *	✗
Display		Keyboard backlit	✓
Display diagonal *	39.6 cm (15.6")	Full-size keyboard	✓
Display resolution *	1920 x 1080 pixels	Windows keys	✓
HD type	Full HD	Software	
LED backlight	✓	Operating system architecture	64-bit
Native aspect ratio	16:9	Drivers included	✓
Processor		Operating system installed *	Windows 7 Home Premium
Processor manufacturer *	Intel	Processor special features	
Processor family *	Intel® Core™ i7	Intel® Wireless Display (Intel® WiDi)	✓
Processor generation	3rd gen Intel® Core™ i7	Intel® My WiFi Technology (Intel® MWT)	✓
Processor model *	i7-3612QM	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor cores	4	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor threads	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3.1 GHz	Intel® Turbo Boost Technology	2.0
Processor frequency *	2.1 GHz	Enhanced Intel SpeedStep Technology	✓
System bus rate	5 GT/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache	6 MB	Intel Clear Video Technology	✗
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✓
Processor socket	Socket 1224	Intel® Insider™	✓
Processor lithography	22 nm	Intel® Quick Sync Video Technology	✓
Processor operating modes	64-bit	Intel Flex Memory Access	✓
Processor series	Intel Core i7-3600 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	E1		
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel® Smart Cache	✓
PCI Express slots version	3.0	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Trusted Execution Technology	✗
Number of processors supported	1	Intel Enhanced Halt State	✓
CPU multiplier (bus/core ratio)	21	Intel VT-x with Extended Page Tables (EPT)	✓
ECC supported by processor	✗	Intel Demand Based Switching	✗
Memory		Intel® Secure Key	✓
Internal memory *	8 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory type	DDR3-SDRAM	Intel 64	✓
Memory clock speed	1600 MHz	Execute Disable Bit	✓
Memory layout (slots x size)	2 x 4 GB	Idle States	✓
Memory slots	2x SO-DIMM	Thermal Monitoring Technologies	✓
Maximum internal memory *	8 GB	Processor package size	31.0 x 24.0 (BGA1224)
Storage		Supported instruction sets	AVX
Total storage capacity *	1 TB	Processor code	SR0MR
Storage media *	HDD	CPU configuration (max)	1
Number of HDDs installed	1	Embedded options available	✗
HDD capacity	1 TB	Graphics & IMC lithography	22 nm
Optical drive type *	DVD Super Multi	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Card reader integrated	✓	Intel Identity Protection Technology version	1.00
Compatible memory cards	Memory Stick (MS), MMC, MMC+, MS PRO, MSXC, SD, SDHC, SDXC	Intel Secure Key Technology version	1.00
Graphics		Intel Virtualization Technology (VT-x)	✓
Discrete graphics card model *	AMD Radeon HD 7730M	Intel Dual Display Capable Technology	✓
Discrete graphics card memory	2 GB	Intel FDI Technology	✓
Discrete graphics memory type	GDDR3	Intel Rapid Storage Technology	✗
On-board graphics card *	✓	Intel Fast Memory Access	✓
Discrete graphics card *	✓	Processor ARK ID	64901
On-board graphics card family	Intel® HD Graphics	Conflict-Free processor	✓
On-board graphics card model *	Intel® HD Graphics 4000	Integrated 4G WiMAX	✓
On-board graphics card base frequency	650 MHz	Battery	
On-board graphics card dynamic frequency (max)	1100 MHz	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card ID	0x166	Number of battery cells	6
Number of discrete graphics cards	1	Battery capacity *	48 Wh
Audio		Power	
Audio system	MaxxAudio	AC adapter power	90 W
Built-in speaker(s)	✓	DC-in jack	✓
Number of built-in speakers	1	Security	
Speaker power	2 W	Cable lock slot	✓
Built-in microphone	✓	Cable lock slot type	Kensington
Camera		Weight & dimensions	
Front camera resolution (numeric)	1 MP	Width	378 mm
Network		Depth	252 mm
Wi-Fi	✓	Height (front)	3.03 cm
Networking features	Gigabit Ethernet, WLAN	Height (rear)	3.41 cm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width (imperial)	37.8 cm (14.9")
Ethernet LAN	✓	Depth (imperial)	25.2 cm (9.92")
Ethernet LAN data rates	10,100,1000 Mbit/s	Height (front) (imperial)	3.02 cm (1.19")
Bluetooth	✓	Height (rear) (imperial)	3.4 cm (1.34")
Cabling technology	10/100/1000Base-T(X)	Weight *	2.77 kg
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4		
Ethernet LAN (RJ-45) ports	1		

Ports & interfaces		Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Manual	✓
VGA (D-Sub) ports quantity	1	Warranty card	✓
Headphone outputs	1	Other features	
S/PDIF out port	✗	Infrared data port	✗
Microphone in	✓	Graphics card family	AMD, Intel
ExpressCard slot	✗	Type	PC
CardBus PCMCIA slot type	✗	Power supply type	AC/DC
SmartCard slot	✗	Number of products included	1 pc(s)
Headphone connectivity	3.5 mm	Ethernet interface type	Gigabit Ethernet
Microphone connectivity	3.5 mm	Floppy drive installed	✗
Performance		Number of speakers	2
Motherboard chipset	Intel HM77 Express		

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