



DELL Inspiron 15z-5523 Intel® Core™ i7 i7-3517U Laptop 39.6 cm (15.6") 6 GB DDR3-SDRAM 128 GB SSD NVIDIA® GeForce® GT 630M Windows 8 Pro Silver

Brand : DELL

Product family: Inspiron

Product code: 5523-9225

Product name : 15z-5523

Intel Core i7-3517U (1.9 GHz), 6GB DDR3 RAM, 128GB SSD, 15.6" HD (1366x768), Nvidia GeForce GT630M 2GB, Gigabit Ethernet, WLAN 802.11 b/g/n, Bluetooth, DVD±RW, 6 cell, Windows 8 Pro 64-bit DELL Inspiron 15z-5523. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-3517U, Processor frequency: 1.9 GHz. Display diagonal: 39.6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 6 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 128 GB, Storage media: SSD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 8 Pro. Product colour: Silver



Design		Ports & interfaces	
Product type *	Laptop	Combo headphone/mic port	✓
Product colour *	Silver	ExpressCard slot	✗
Form factor *	Clamshell	CardBus PCMCIA slot type	✗
Display		SmartCard slot	✗
Display diagonal *	39.6 cm (15.6")	Performance	
Display resolution *	1366 x 768 pixels	Motherboard chipset	Intel HM77 Express
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Processor		Numeric keypad *	✗
Processor manufacturer *	Intel	Windows keys	✓
Processor family *	Intel® Core™ i7	Software	
Processor generation	3rd gen Intel® Core™ i7	Operating system architecture	64-bit
Processor model *	i7-3517U	Operating system installed *	Windows 8 Pro
Processor cores	2	Processor special features	
Processor threads	4	Intel® Wireless Display (Intel® WiDi)	✓
Processor boost frequency	3 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	1.9 GHz	Intel® Anti-Theft Technology (Intel® AT)	✓
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	4 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	BGA 1023	Enhanced Intel SpeedStep Technology	✓
Processor lithography	22 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✗
Processor series	Intel Core i7-3500 Mobile series	Intel® InTru™ 3D Technology	✓
Processor codename	Ivy Bridge	Intel® Insider™	✓
Bus type	DMI	Intel® Quick Sync Video Technology	✓
FSB Parity	✗	Intel Flex Memory Access	✓
Stepping	L1	Intel® Smart Cache	✓
Thermal Design Power (TDP)	17 W		
Tjunction	105 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x8, 1x16, 2x4, 2x8		
Number of processors supported	1		
CPU multiplier (bus/core ratio)	19		

Processor		Processor special features	
ECC supported by processor	✗	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory		Intel Trusted Execution Technology	✗
Internal memory *	6 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR3-SDRAM	Intel VT-x with Extended Page Tables (EPT)	✓
Memory clock speed	1600 MHz	Intel Demand Based Switching	✗
Memory layout (slots x size)	1 x 2 + 1 x 4 GB	Intel® Secure Key	✓
Memory slots	2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	8 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	128 GB	Idle States	✓
Storage media *	SSD	Thermal Monitoring Technologies	✓
Number of SSDs installed	1	Processor package size	31.0 x 24.0 mm
SSD capacity	128 GB	Supported instruction sets	AVX
SSD interface	mSATA	Processor code	SR0N6
Optical drive type *	DVD±RW	CPU configuration (max)	1
Card reader integrated	✓	Embedded options available	✗
Compatible memory cards	Memory Stick (MS), MMC, MMC+, MS PRO, MSXC, SD, SDHC, SDXC	Graphics & IMC lithography	22 nm
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card model *	NVIDIA® GeForce® GT 630M	Intel Identity Protection Technology version	1.00
Discrete graphics card memory	2 GB	Intel Secure Key Technology version	1.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card *	✓	Intel Dual Display Capable Technology	✓
On-board graphics card family	Intel® HD Graphics	Intel FDI Technology	✓
On-board graphics card model *	Intel® HD Graphics 4000	Intel Rapid Storage Technology	✗
On-board graphics card base frequency	350 MHz	Intel Fast Memory Access	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Processor ARK ID	65714
On-board graphics card ID	0x166	Conflict-Free processor	✓
Number of discrete graphics cards	1	Integrated 4G WiMAX	✓
Audio		Battery	
Audio system	Waves MaxxAudio 4	Battery technology	Lithium-Ion (Li-Ion)
Built-in speaker(s)	✓	Number of battery cells	6
Number of built-in speakers	2	Power	
Built-in microphone	✓	DC-in jack	✓
Camera		Security	
Front camera	✓	Cable lock slot	✓
Front camera resolution (numeric)	1 MP	Cable lock slot type	Kensington
Network		Weight & dimensions	
Wi-Fi	✓	Width	382 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth	250 mm
Ethernet LAN	✓	Height (front)	2.09 cm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height (rear)	2.1 cm
Bluetooth	✓	Weight *	2.17 kg
Ports & interfaces		Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	AC adapter included *	✓
Ethernet LAN (RJ-45) ports	1	Manual	✓
HDMI ports quantity *	1	Quick start guide	✓
HDMI version	1.4a		
DVI port	✗		
S/PDIF out port	✗		
Microphone in	✗		

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