DELL

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

Product type *	Laptop
Product colour *	Silver
Form factor *	Clamshell

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1366 x 768 pixels
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	3rd gen Intel® Core™ i7
Processor model *	i7-3517U
Processor cores	2
Processor threads	4
Processor boost frequency	3 GHz
Processor frequency *	1.9 GHz
System bus rate	5 GT/s
Processor cache	4 MB
Processor cache type	Smart Cache
Processor socket	BGA 1023
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-3500 Mobile series
Processor codename	Ivy Bridge
Bus type	DMI
FSB Parity	✗
Stepping	L1
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

Ports & interfaces

Combo headphone/mic port	✔
ExpressCard slot	✗
CardBus PCMCIA slot type	✗
SmartCard slot	✗

Performance

Motherboard chipset	Intel HM77 Express

Keyboard

Pointing device	Touchpad
Numeric keypad *	✗
Windows keys	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 8 Pro

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
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
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	✔

Processor

ECC supported by processor	✗

Memory

Internal memory *	6 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory layout (slots x size)	1 x 2 + 1 x 4 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	128 GB
Storage media *	SSD
Number of SSDs installed	1
SSD capacity	128 GB
SSD interface	mSATA
Optical drive type *	DVD±RW
Card reader integrated	✔
Compatible memory cards	Memory Stick (MS), MMC, MMC+, MS PRO, MSXC, SD, SDHC, SDXC

Graphics

Discrete graphics card model *	NVIDIA® GeForce® GT 630M
Discrete graphics card memory	2 GB
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4000
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
On-board graphics card ID	0x166
Number of discrete graphics cards	1

Audio

Audio system	Waves MaxxAudio 4
Built-in speaker(s)	✔
Number of built-in speakers	2
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	1 MP

Network

Wi-Fi	✔
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	1.4a
DVI port	✗
S/PDIF out port	✗
Microphone in	✗

Processor special features

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® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	31.0 x 24.0 mm
Supported instruction sets	AVX
Processor code	SR0N6
CPU configuration (max)	1
Embedded options available	✗
Graphics & IMC lithography	22 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology version	1.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✔
Intel FDI Technology	✔
Intel Rapid Storage Technology	✗
Intel Fast Memory Access	✔
Processor ARK ID	65714
Conflict-Free processor	✔
Integrated 4G WiMAX	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6

Power

DC-in jack	✔

Security

Cable lock slot	✔
Cable lock slot type	Kensington

Weight & dimensions

Width	382 mm
Depth	250 mm
Height (front)	2.09 cm
Height (rear)	2.1 cm
Weight *	2.17 kg

Packaging content

AC adapter included *	✔
Manual	✔
Quick start guide	✔

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