Lenovo

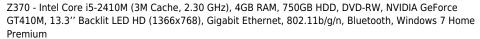# Lenovo IdeaPad Z370 Intel® Core™ i5 i5-2410M 33.8 cm (13.3") 4 GB DDR3-SDRAM 750 GB NVIDIA® GeForce® 410M Wi-Fi 4 (802.11n) Windows 7 Home Premium

Brand : Lenovo   **Product family:** IdeaPad   **Product code:** M5654SP

Product name : Z370

Z370 - Intel Core i5-2410M (3M Cache, 2.30 GHz), 4GB RAM, 750GB HDD, DVD-RW, NVIDIA GeForce GT410M, 13.3'' Backlit LED HD (1366x768), Gigabit Ethernet, 802.11b/g/n, Bluetooth, Windows 7 Home Premium
Lenovo IdeaPad Z370. Processor family: Intel® Core™ i5, Processor: i5-2410M, Processor frequency: 2.3 GHz. Display diagonal: 33.8 cm (13.3"), Display resolution: 1366 x 768 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 750 GB, Optical drive: DVD Super Multi DL. On-board graphics card model: Intel® HD Graphics 3000, Discrete graphics card model: NVIDIA® GeForce® 410M. Operating system installed: Windows 7 Home Premium. Weight: 2 kg

Display

Display diagonal *	33.8 cm (13.3")
Display resolution *	1366 x 768 pixels
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	2nd gen Intel® Core™ i5
Processor *	i5-2410M
Processor number of cores	2
Processor threads	4
Processor boost frequency	2.9 GHz
Processor frequency *	2.3 GHz
System bus data transfer rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1023
Processor lithography	32 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-2400 Mobile Series
Processor codename	Sandy Bridge
Bus type	DMI
FSB Parity	✘
Stepping	J1
Thermal Design Power (TDP)	35 W
Tjunction	100 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	2.0
PCI Express configurations	1x8, 1x16, 2x4, 2x8
CPU multiplier (bus/core ratio)	23
ECC supported by processor	✘

Memory

Internal memory *	4 GB
Internal memory type	DDR3-SDRAM
Memory slots	2x SO-DIMM
Memory, maximum *	6 GB

Storage

Total storage capacity *	750 GB

Ports & interfaces

Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘
TV-out	✘

Keyboard

Pointing device	Touchpad

Software

Operating system installed *	Windows 7 Home Premium

Processor special features

Intel Wireless Display (WiDi) Technology	✔
Intel My WiFi Technology	✔
Intel Anti-Theft Technology	✔
Intel Identity Protection Technology	✔
Intel Hyper-Threading Technology	✔
Intel Turbo Boost Technology	2.0
Enhanced Intel SpeedStep Technology	✔
Intel Clear Video HD Technology	✔
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 Trusted Execution Technology	✘
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel Clear Video Technology for MID	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔

Storage

Hard drive capacity	750 GB
Hard drive interface	SATA
Hard drive rotational speed	5400 RPM
Optical drive *	DVD Super Multi DL
Card reader integrated	✔
Compatible memory cards	MMC, MS PRO, SD, xD

Graphics

Discrete graphics card model *	NVIDIA® GeForce® 410M
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 3000
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1200 MHz
On-board graphics card ID	0x116

Audio

Audio system	HD
Number of built-in speakers	2
Speaker power	1.5 W
Built-in microphone	✔

Network

Wi-Fi	✔
Network interface	Gigabit Ethernet
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN connection	✔
Bluetooth	✔
Cabling technology	10/100/1000Base-T(X)

Ports & interfaces

USB 2.0 ports quantity *	2
eSATA/USB 2.0 ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✘
VGA (D-Sub) ports quantity	1
Headphone outputs	1
S/PDIF out port	✘
Microphone in	✔

Processor special features

Thermal Monitoring Technologies	✔
Processor package size	37.5x37.5 (rPGA988B); 31 x 24 (BGA1023)
Supported instruction sets	AVX
Embedded options available	✘
Graphics & IMC lithography	32 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Identity Protection 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	52224
Conflict-Free processor	✘
Integrated 4G WiMAX	✔

Battery

Number of battery cells	6

Power

DC-in jack	✔

Security

Cable lock slot	✘

Weight & dimensions

Width	328 mm
Depth	222 mm
Height (front)	2 cm
Height (rear)	3.3 cm
Weight *	2 kg

Packaging content

AC adapter included *	✔

Other features

Wireless	Wi-Fi
Infrared data port	✘
Graphics card family	NVIDIA
Display	TFT
TV tuner integrated	✘

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