



Lenovo IdeaPad Z560 Intel® Core™ i5 i5-450M 39,6 cm (15.6") 2 GB DDR3-SDRAM 320 GB Windows 7 Home Premium

Brand : Lenovo

Product family: IdeaPad

Product code: M37ANGE

Product name : Z560



Intel Core i5-450M 2.4GHz, 2048MB DDR3, 320GB HDD, 15.6" LCD (1366x768), DVD-RW, Gigabit Ethernet, 2.6kg, Windows 7 Home Premium (64-bit)

Lenovo IdeaPad Z560. Processor family: Intel® Core™ i5, Processor model: i5-450M, Processor frequency: 2,4 GHz. Display diagonal: 39,6 cm (15.6"), Display resolution: 1366 x 768 pixels. Internal memory: 2 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 320 GB, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics. Operating system installed: Windows 7 Home Premium. Weight: 2,6 kg

Display		Keyboard	
Display diagonal *	39,6 cm (15.6")	Pointing device	Touchpad
Display resolution *	1366 x 768 pixels	Software	
LED backlight	✓	Operating system architecture	64-bit
Native aspect ratio	16:9	Operating system installed *	Windows 7 Home Premium
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✗
Processor family *	Intel® Core™ i5	Intel® My WiFi Technology (Intel® MWT)	✗
Processor generation	4th gen Intel® Core™ i5	Intel® Anti-Theft Technology (Intel® AT)	✗
Processor model *	i5-450M	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores	2	Intel® Turbo Boost Technology	1.0
Processor threads	4	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	2,66 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor frequency *	2,4 GHz	Intel Clear Video Technology	✓
System bus rate	4,8 GT/s	Intel® InTru™ 3D Technology	✗
Processor cache	3 MB	Intel® Insider™	✗
Processor cache type	Smart Cache	Intel® Quick Sync Video Technology	✗
Processor socket	Socket 988	Intel Flex Memory Access	✓
Processor lithography	32 nm	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor operating modes	64-bit	Intel Trusted Execution Technology	✗
Processor series	Intel Core i5-400 Series	Intel Enhanced Halt State	✓
Processor codename	Arrandale	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	DMI	Intel Demand Based Switching	✗
FSB Parity	✗		
Stepping	K0		
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x16		
Number of Processing Die Transistors	382 M		

Processor		Processor special features	
Processing Die size	81 mm ²	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
CPU multiplier (bus/core ratio)	18	Intel 64	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory		Idle States	✓
Internal memory *	2 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR3-SDRAM	Processor package size	rPGA 37.5x 37.5, BGA 34x28
Storage		Supported instruction sets	SSE4.1/4.2
Total storage capacity *	320 GB	Processor code	SLBTZ
Number of HDDs installed	1	Physical Address Extension (PAE)	36 bit
HDD interface	SATA	CPU configuration (max)	1
Optical drive type *	DVD-RW	Embedded options available	✗
Card reader integrated	✓	Graphics & IMC lithography	45 nm
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, xD	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Graphics		Intel Virtualization Technology (VT-x)	✓
On-board 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	Intel Rapid Storage Technology	✗
On-board graphics card base frequency	500 MHz	Intel Fast Memory Access	✓
On-board graphics card dynamic frequency (max)	766 MHz	Processor ARK ID	49022
Audio		Conflict-Free processor	✗
Number of built-in speakers	2	Power	
Network		DC-in jack	✓
Wi-Fi	✓	Security	
Networking features	Gigabit Ethernet	Cable lock slot	✓
Ethernet LAN	✓	Cable lock slot type	Kensington
Bluetooth	✗	Weight & dimensions	
Cabling technology	10/100/1000Base-T(X)	Weight *	2,6 kg
Ports & interfaces		Packaging content	
USB 2.0 ports quantity *	3	AC adapter included *	✓
eSATA ports quantity	1	Other features	
Ethernet LAN (RJ-45) ports	1	Wireless technology	Wi-Fi
HDMI ports quantity *	1	Infrared data port	✗
DVI port	✗	Type	PC
VGA (D-Sub) ports quantity	1	Display	LCD
Headphone outputs	1	Power supply type	AC/DC
S/PDIF out port	✗	Power requirements	100 - 240V
Microphone in	✓	Compliance industry standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Docking connector	✗	TV-in port	✗
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
TV-out	✗		

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