



Lenovo IdeaPad V580 Intel® Core™ i5 i5-3230M Laptop 39.6 cm (15.6") 6 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® GT 740M FreeDOS Black, Stainless steel

Brand : Lenovo

Product family: IdeaPad

Product code: 59-392191

Product name : V580

15.6" HD 1366 x 768, Intel Core i5-3230M (3M Cache, 2.6 GHz), 6GB DDR3, NVidia GeForce GT740M 2GB, 1TB HDD, 720p HD WebCam, Gigabit Ethernet, WLAN 802.11 b/g/n, DOS

Lenovo IdeaPad V580 Intel® Core™ i5 i5-3230M Laptop 39.6 cm (15.6") 6 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® GT 740M FreeDOS Black, Stainless steel:

- NVIDIA® Optimus™ discrete graphics (up to 2GB VRAM) *
- Stylish brushed metal cover in gray
- Lenovo Enhanced Experience 3, with TurboBoot *
- Stereo speakers with Dolby® Advanced Audio™ v2
- Lenovo Hard Disk Drive Performance Booster *
- Integrated HD 720p camera
- DVD-RAMBO
- 2x USB 3.0, 2x USB 2.0, 4-in-1 card reader
- Active Protection System™
- AccuType keyboard
- Fingerprint reader



Design		Ports & interfaces	
Product type *	Laptop	Headphone outputs	1
Product colour *	Black, Stainless steel	S/PDIF out port	✗
Form factor *	Clamshell	Microphone in	✓
Display		ExpressCard slot	✗
Display diagonal *	39.6 cm (15.6")	CardBus PCMCIA slot type	✗
Display resolution *	1366 x 768 pixels	SmartCard slot	✗
Touchscreen *	✗	Keyboard	
LED backlight	✓	Numeric keypad *	✓
Native aspect ratio	16:9	Windows keys	✓
Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	FreeDOS
Processor family *	Intel® Core™ i5	Processor special features	
Processor generation	3rd gen Intel® Core™ i5	Intel Wireless Display (WiDi) Technology	✓
Processor *	i5-3230M	Intel My WiFi Technology	✓
Processor number of cores	2	Intel Anti-Theft Technology	✓
Processor threads	4	Intel Identity Protection Technology	✓
Processor boost frequency	3.2 GHz	Intel Hyper-Threading Technology	✓
Processor frequency *	2.6 GHz	Intel Turbo Boost Technology	2.0
System bus data transfer rate	5 GT/s	Enhanced Intel SpeedStep Technology	✓
Processor cache	3 MB	Intel Clear Video HD Technology	✓
Processor cache type	Smart Cache	Intel Clear Video Technology	✗
Processor socket	BGA 1023	Intel® InTru™ 3D Technology	✓
Processor lithography	22 nm	Intel® Insider™	✓
Processor operating modes	64-bit	Intel® Quick Sync Video Technology	✓
Processor series	Intel Core i5-3200 Mobile series	Intel Flex Memory Access	✓
Processor codename	Ivy Bridge	Intel® Smart Cache	✓
Bus type	DMI	Intel AES New Instructions	✓
FSB Parity	✗		
Stepping	L1		
Thermal Design Power (TDP)	35 W		
Tjunction	105 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
CPU multiplier (bus/core ratio)	26	Intel Demand Based Switching	✗
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel Clear Video Technology for MID	✗
Internal memory *	6 GB	Intel 64	✓
Internal memory type	DDR3-SDRAM	Execute Disable Bit	✓
Storage		Idle States	✓
Total storage capacity *	1 TB	Thermal Monitoring Technologies	✓
Storage media *	HDD	Processor package size	31 x 24 (BGA1023)
Number of HDDs installed	1	Supported instruction sets	AVX
Hard drive capacity	1 TB	Processor code	SR0WX
Hard drive interface	SATA	CPU configuration (max)	1
Optical drive *	DVD±RW	Embedded options available	✗
Card reader integrated	✓	Graphics & IMC lithography	22 nm
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	✗
Discrete graphics card model *	NVIDIA® GeForce® GT 740M	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	650 MHz	Intel Fast Memory Access	✓
On-board graphics card dynamic frequency (max)	1100 MHz	Processor ARK ID	72056
On-board graphics card ID	0x166	Conflict-Free processor	✓
Audio		Integrated 4G WiMAX	✓
Audio system	Dolby Enhanced Audio v2	Battery	
Number of built-in speakers	2	Battery life (max)	6.5 h
Built-in microphone	✓	Power	
Camera		DC-in jack	✓
Front camera	✓	Security	
Network		Cable lock slot	✗
Wi-Fi	✓	Weight & dimensions	
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Width	378 mm
Ethernet LAN connection	✓	Depth	252 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Height	32.8 mm
Bluetooth	✓	Weight *	2.54 kg
4G WiMAX	✗	Other features	
Ports & interfaces		LightScribe	✗
USB 2.0 ports quantity *	2	64-bit computing	✓
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2		
HDMI ports quantity *	1		
DVI port	✗		
VGA (D-Sub) ports quantity	1		

Catalog Object Cloud



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