



Lenovo IdeaPad Y500 Intel® Core™ i5 i5-3230M Laptop 39,6 cm (15.6") HD 8 GB DDR3-SDRAM 1,02 TB HDD+SSD NVIDIA® GeForce® GT 650M Windows 8 Black

Brand : Lenovo

Product family: IdeaPad

Product code: MBG3BGE

Product name : Y500

Intel Core i5-3230M (2.6 GHz), 8GB DDR3 RAM, 1TB HDD+16GB SSD, 15.6" (1366x768), NVIDIA GeForce GT650M 2GB, Gigabit Ethernet, WLAN 802.11b/g/n, Bluetooth 4.0, Windows 8 64-bit

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Plays like an athlete, works like a pro

If you're looking for a feature-rich laptop that's good for high-performance multimedia, extreme gaming, and other graphics, audio and processor intensive applications, look no further than the IdeaPad Y500.

- Dolby® Home Theater® v4, for full impact surround sound with premium JBL® speakers;
- Ultrabay: an interchangeable bay that can be instantly swapped out for dual graphics capability, increased storage space or an additional fan for cooling;
- Integrated 720p HD webcam and a dual digital array microphone for crystal clear webchat;
- Intelligent TouchPad, optimized for Windows 8 with easy scroll, zoom and rotate functions;
- HDMI out, two USB 2.0 ports, one USB 3.0 port;
- Lenovo Energy Management minimizes power use and protects battery life.

Design		Ports & interfaces	
Product type *	Laptop	Docking connector	✗
Product colour *	Black	ExpressCard slot	✗
Form factor *	Clamshell	CardBus PCMCIA slot type	✗
Display		SmartCard slot	✗
Display diagonal *	39,6 cm (15.6")	Headphone connectivity	3.5 mm
Display resolution *	1366 x 768 pixels	Microphone connectivity	3.5 mm
Touchscreen *	✗	Performance	
HD type	HD	Motherboard chipset	Intel HM77 Express
LED backlight	✓	Keyboard	
Native aspect ratio	16:9	Pointing device	Touchpad
Display brightness	220 cd/m²	Numeric keypad *	✓
Contrast ratio (typical)	500:1	Keyboard backlit	✓
Processor		Full-size keyboard	✓
Processor manufacturer *	Intel	Windows keys	✓
Processor family *	Intel® Core™ i5	Software	
Processor generation	3rd gen Intel® Core™ i5	Operating system architecture	64-bit
Processor model *	i5-3230M	Operating system installed *	Windows 8
Processor cores	2	Processor special features	
Processor threads	4	Intel® Wireless Display (Intel® WiDi)	✓
Processor boost frequency	3,2 GHz	Intel® My WiFi Technology (Intel® MWT)	✓
Processor frequency *	2,6 GHz	Intel® Anti-Theft Technology (Intel® AT)	✓
System bus rate	5 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cache	3 MB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cache type	Smart Cache	Intel® Turbo Boost Technology	2.0
Processor socket	BGA 1023	Intel® Small Business Advantage (Intel® SBA)	✗
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-3200 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Stepping	L1		

Processor		Processor special features	
Thermal Design Power (TDP)	35 W	Enhanced Intel SpeedStep Technology	✓
Tjunction	105 °C	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Maximum number of PCI Express lanes	16	Intel Clear Video Technology	✗
PCI Express slots version	3.0	Intel® InTru™ 3D Technology	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Insider™	✓
CPU multiplier (bus/core ratio)	26	Intel® Quick Sync Video Technology	✓
ECC supported by processor	✗	Intel Flex Memory Access	✓
Memory		Intel® Smart Cache	✓
Internal memory *	8 GB	Intel® AES New Instructions (Intel® AES-NI)	✓
Internal memory type	DDR3-SDRAM	Intel Trusted Execution Technology	✗
Memory clock speed	1600 MHz	Intel Enhanced Halt State	✓
Memory layout (slots x size)	2 x 4 GB	Intel VT-x with Extended Page Tables (EPT)	✓
Memory slots	2x SO-DIMM	Intel Demand Based Switching	✗
Maximum internal memory *	16 GB	Intel® Secure Key	✓
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Total storage capacity *	1,02 TB	Intel 64	✓
Storage media *	HDD+SSD	Execute Disable Bit	✓
Number of hard drives installed	1	Idle States	✓
Hard drive capacity	1 TB	Thermal Monitoring Technologies	✓
Hard drive interface	SATA	Processor package size	31 x 24 (BGA1023)
Hard drive speed	5400 RPM	Supported instruction sets	AVX
Number of SSDs installed	1	Processor code	SR0WX
Solid-state drive capacity	16 GB	CPU configuration (max)	1
Solid-state drive interface	mSATA	Embedded options available	✗
Optical drive type *	DVD±RW	Graphics & IMC lithography	22 nm
Card reader integrated	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, SDXC, xD	Intel Identity Protection Technology version	1,00
Graphics		Intel Secure Key Technology version	1,00
Discrete graphics card model *	NVIDIA® GeForce® GT 650M	Intel Virtualization Technology (VT-x)	✓
Discrete graphics card memory	2 GB	Intel Dual Display Capable Technology	✓
Discrete graphics memory type	GDDR5	Intel FDI Technology	✓
On-board graphics card *	✓	Intel Rapid Storage Technology	✗
Discrete graphics card *	✓	Intel Fast Memory Access	✓
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	72056
On-board graphics card model *	Intel® HD Graphics 4000	Conflict-Free processor	✓
On-board graphics card base frequency	650 MHz	Integrated 4G WiMAX	✓
On-board graphics card dynamic frequency (max)	1100 MHz	Battery	
On-board graphics card ID	0x166	Battery technology	Lithium-Ion (Li-Ion)
Number of discrete graphics cards installed	1	Number of battery cells	6
Audio		Battery life (max)	3 h
Audio system	HD	Power	
Number of built-in speakers	2	DC-in jack	✓
Speakers manufacturer	JBL	Security	
Speaker power	1,5 W	Cable lock slot	✓
Built-in microphone	✓	Fingerprint reader	✗
Camera		Password protection type	HDD, Power on, Supervisor
Front camera	✓	Certificates	
Front camera resolution (numeric)	1 MP	Compliance certificates	RoHS
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		

Network		Sustainability	
Bluetooth	✗	Sustainability certificates	EPEAT Gold, ENERGY STAR
Bluetooth version	4.0	Weight & dimensions	
Cabling technology	10/100/1000Base-T(X)	Width	387 mm
Ports & interfaces		Depth	259 mm
USB 2.0 ports quantity *	1	Height (front)	1,55 cm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Height (rear)	3,6 cm
Ethernet LAN (RJ-45) ports	1	Weight *	2,7 kg
HDMI ports quantity *	1	Packaging content	
DVI port	✗	AC adapter included *	✓
VGA (D-Sub) ports quantity	1	Cables included	AC
Headphone outputs	1	Manual	✓
S/PDIF out port	✓	Quick start guide	✓
Microphone in	✓	Other features	
Combo headphone/mic port	✗	3D	✗

Catalog Object Cloud



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