



## Lenovo IdeaPad Y580 Intel® Core™ i7 i7-3610QM 39,6 cm (15.6") Full HD 8 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® GTX 660M Windows 7 Home Premium Brown



**Brand :** Lenovo

**Product family:** IdeaPad

**Product code:** 209942U

**Product name :** Y580

Intel Core i7-3610QM(2.30GHz), 8GB RAM, 1000GB HDD, Windows 7 Home Premium 64

Lenovo IdeaPad Y580 Intel® Core™ i7 i7-3610QM 39,6 cm (15.6") Full HD 8 GB DDR3-SDRAM 1 TB HDD NVIDIA® GeForce® GTX 660M Windows 7 Home Premium Brown:

### FEEL THE NEED FOR SPEED?

Experience the thrill of power with this high-performance mobile gaming laptop and its rich multimedia capabilities. Revel in vivid graphics and rocking audio as you keep the pedal to the metal.

- NVIDIA® GeForce® GT650M or GTX660M\* graphics supports the latest DirectX® 11 games and HD video editing.
- Dolby® Home Theater® v4 for full impact surround sound with premium JBL® speakers.
- Blu-ray Disc™ player/writer\*.
- OneKey® Theater 2.0: one-touch audio-visual optimization.
- OneKey® Rescue System.
- Integrated 720p HD webcam, HDMI out and USB 3.0.
- Lenovo Energy Management helps you harness your battery's power efficiently.

\*optional feature.

Design		Keyboard	
Product colour *	Brown	Numeric keypad *	✓
Form factor *	Clamshell	Full-size keyboard	✓
Display		Windows keys	✓
Display diagonal *	39,6 cm (15.6")	Software	
Display resolution *	1920 x 1080 pixels	Operating system architecture	64-bit
HD type	Full HD	Operating system installed *	Windows 7 Home Premium
LED backlight	✓	Processor special features	
Native aspect ratio	16:9	Intel® Wireless Display (Intel® WiDi)	✓
Dual-screen	✗	Intel® My WiFi Technology (Intel® MWT)	✓
Processor		Intel® Anti-Theft Technology (Intel® AT)	✓
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor family *	Intel® Core™ i7	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	3rd gen Intel® Core™ i7	Intel® Turbo Boost Technology	2.0
Processor model *	i7-3610QM	Enhanced Intel SpeedStep Technology	✓
Processor cores	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor threads	8	Intel Clear Video Technology	✗
Processor boost frequency	3,3 GHz	Intel® InTru™ 3D Technology	✓
Processor frequency *	2,3 GHz	Intel® Insider™	✓
System bus rate	5 GT/s	Intel® Quick Sync Video Technology	✓
Processor cache	6 MB	Intel Flex Memory Access	✓
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket	Socket G2	Intel Trusted Execution Technology	✗
Processor lithography	22 nm	Intel Enhanced Halt State	✓
Processor operating modes	64-bit		
Processor series	Intel Core i7-3600 Mobile series		
Processor codename	Ivy Bridge		
Bus type	DMI		
FSB Parity	✗		
Thermal Design Power (TDP)	45 W		
Tjunction	105 C		
Maximum number of PCI Express lanes	16		

Processor		Processor special features	
PCI Express slots version	3.0	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express configurations	1x16, 2x8	Intel Demand Based Switching	✗
CPU multiplier (bus/core ratio)	23	Intel® Secure Key	✓
ECC supported by processor	✗	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory		Intel 64	✓
Internal memory *	8 GB	Execute Disable Bit	✓
Internal memory type	DDR3-SDRAM	Idle States	✓
Memory clock speed	1600 MHz	Thermal Monitoring Technologies	✓
Memory slots	2x SO-DIMM	Processor package size	37.5 x 37.5 (rPGA988B)
Maximum internal memory *	8 GB	Supported instruction sets	AVX
Storage		CPU configuration (max)	1
Total storage capacity *	1 TB	Embedded options available	✗
Storage media *	HDD	Graphics & IMC lithography	22 nm
Number of HDDs installed	1	Intel Virtualization Technology for Directed I/O (VT-d)	✗
HDD capacity	1 TB	Intel Identity Protection Technology version	1,00
HDD interface	SATA	Intel Secure Key Technology version	1,00
HDD speed	5400 RPM	Intel Virtualization Technology (VT-x)	✓
HDD size	2.5"	Intel Dual Display Capable Technology	✓
Optical drive type *	Blu-Ray DVD Combo	Intel FDI Technology	✓
Card reader integrated	✓	Intel Rapid Storage Technology	✗
Compatible memory cards	MMC, MS PRO, SD, xD	Intel Fast Memory Access	✓
Graphics		Processor ARK ID	64899
Discrete graphics card model *	NVIDIA® GeForce® GTX 660M	Conflict-Free processor	✓
Discrete graphics card memory	2 GB	Integrated 4G WiMAX	✓
On-board graphics card *	✓	Battery	
Discrete graphics card *	✓	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card family	Intel® HD Graphics	Number of battery cells	6
On-board graphics card model *	Intel® HD Graphics 4000	Battery life (max)	5 h
On-board graphics card base frequency	650 MHz	Power	
On-board graphics card dynamic frequency (max)	1100 MHz	AC adapter frequency	50 - 60 Hz
On-board graphics card ID	0x166	AC adapter input voltage	100 - 240 V
Audio		DC-in jack	✓
Audio system	Dolby Home Theater	Security	
Number of built-in speakers	2	Cable lock slot	✓
Speaker power	1,5 W	Sustainability	
Built-in microphone	✓	Sustainability certificates	EPEAT Gold, ENERGY STAR
Camera		Weight & dimensions	
Front camera resolution (numeric)	1 MP	Width	385 mm
Network		Depth	255 mm
Wi-Fi	✓	Height	35,7 mm
Networking features	Gigabit Ethernet	Width (imperial)	38,5 cm (15.2")
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth (imperial)	25,4 cm (10")
Ethernet LAN	✓	Height (imperial)	3,56 cm (1.4")
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight *	2,8 kg
Bluetooth	✗	Packaging content	
Ports & interfaces		AC adapter included *	✓
USB 2.0 ports quantity *	2	Cables included	AC
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Manual	✓
Ethernet LAN (RJ-45) ports	1	Quick start guide	✓
HDMI ports quantity *	1		
DVI port	✗		
VGA (D-Sub) ports quantity	1		
Headphone outputs	1		

Ports & interfaces		Other features	
S/PDIF out port	✓	Infrared data port	✗
Microphone in	✓	Graphics card family	Intel, NVIDIA

## Catalog Object Cloud



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