![DELL logo]

DELL Latitude E6230 Intel® Core™ i5 i5-3380M Laptop 31.8 cm (12.5") 8 GB DDR3-SDRAM 500 GB HDD Wi-Fi 4 (802.11n) Windows 7 Professional Grey, Silver

Brand : DELL   **Product family:** Latitude   **Product code:** 6230-8331

Product name : E6230

Latitude E6230 - Intel Core i5-3380M (3M Cache, 2.90 GHz), 8GB 1600MHz DDR3 SDRAM, 500GB 7200rpm SATA HDD, Intel HD Graphics 4000, 12.5" HD LED (1366x768), Gigabit Ethernet, 802.11n, Bluetooth 4.0, HD Webcam, Windows 7 Professional 64-bit
DELL Latitude E6230. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-3380M, Processor frequency: 2.9 GHz. Display diagonal: 31.8 cm (12.5"), Display resolution: 1366 x 768 pixels. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: Windows 7 Professional. Product colour: Grey, Silver. Weight: 1.38 kg

Design

Product type *	Laptop
Product colour *	Grey, Silver
Form factor *	Clamshell

Display

Display diagonal *	31.8 cm (12.5")
Display resolution *	1366 x 768 pixels
Touchscreen *	✗
LED backlight	✔
Native aspect ratio	16:9

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	3rd gen Intel® Core™ i5
Processor model *	i5-3380M
Processor cores	2
Processor threads	4
Processor boost frequency	3.6 GHz
Processor frequency *	2.9 GHz
System bus rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1023
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-3300 Mobile series
Processor codename	Ivy Bridge
Bus type	DMI

Keyboard

Numeric keypad *	✗
Keyboard backlit	✔

Software

Operating system architecture	64-bit
Operating system installed *	Windows 7 Professional
Bundled software	Dell Webcam Central software

Processor special features

Intel® Wireless Display (Intel® WiDi)	✔
Intel® My WiFi Technology (Intel® MWT)	✔
Intel® Anti-Theft Technology (Intel® AT)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✗
Enhanced Intel SpeedStep Technology	✔
Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Intel Clear Video Technology	✗
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✔

Processor

FSB Parity	✗
Stepping	L1
Thermal Design Power (TDP)	35 W
Tjunction	105 °C
Maximum number of PCI Express lanes	16
PCI Express slots version	3.0
PCI Express configurations	1x16, 2x8, 1x8+2x4
CPU multiplier (bus/core ratio)	29
ECC supported by processor	✗

Memory

Internal memory *	8 GB
Internal memory type	DDR3-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 4 GB
Memory slots	2x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Number of HDDs installed	1
HDD capacity	500 GB
HDD interface	SATA
HDD speed	7200 RPM
HDD size	2.5"
Optical drive type *	✗
Card reader integrated	✔

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4000
On-board graphics card base frequency	650 MHz
On-board graphics card dynamic frequency (max)	1250 MHz
On-board graphics card ID	0x166

Audio

Built-in microphone	✔

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)
Wi-Fi standards	Wi-Fi 4 (802.11n)
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0
Cabling technology	10/100/1000Base-T(X)
Networking standards	IEEE 802.11n, IEEE 802.3, IEEE 802.3u

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
eSATA/USB 2.0 ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1

Processor special features

Intel® Smart Cache	✔
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✗
Intel® Secure Key	✔
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Processor package size	37.5 x 37.5 (rPGA988B); 31.0 x 24.0 (BGA1023)
Supported instruction sets	AVX
Processor code	SR0X9
CPU configuration (max)	1
Embedded options available	✗
Graphics & IMC lithography	22 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Identity Protection Technology version	1.00
Intel Secure Key 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	71256
Conflict-Free processor	✔
Integrated 4G WiMAX	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	6

Power

DC-in jack	✔

Security

Cable lock slot	✗
Fingerprint reader	✔

Sustainability

Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

Width	309 mm
Depth	226 mm
Height (front)	2.24 cm
Height (rear)	2.47 cm
Weight *	1.38 kg

Packaging content

AC adapter included *	✔
Cables included	AC

Ports & interfaces

DVI port	✘
VGA (D-Sub) ports quantity	1
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✔
ExpressCard slot	✔
CardBus PCMCIA slot type	✘
Headphone connectivity	3.5 mm
Microphone connectivity	3.5 mm

Performance

Motherboard chipset	Intel® QM77 Express

Keyboard

Pointing device	Touchpad

Packaging content

Manual	✔
Quick start guide	✔

Other features

LightScribe	✘
Maximum internal memory (64-bit)	8 GB
Quantity	1
64-bit computing	✔