



## 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		Keyboard	
Product type *	Laptop	Numeric keypad *	✗
Product colour *	Grey, Silver	Keyboard backlight	✓
Form factor *	Clamshell	Software	
Display		Operating system architecture	64-bit
Display diagonal *	31.8 cm (12.5")	Operating system installed *	Windows 7 Professional
Display resolution *	1366 x 768 pixels	Bundled software	Dell Webcam Central software
Touchscreen *	✗	Processor special features	
LED backlight	✓	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio	16:9	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™ i5	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	3rd gen Intel® Core™ i5	Intel® Turbo Boost Technology	2.0
Processor model *	i5-3380M	Intel® Small Business Advantage (Intel® SBA)	✗
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3.6 GHz	Intel Clear Video Technology	✗
Processor frequency *	2.9 GHz	Intel® InTru™ 3D Technology	✓
System bus rate	5 GT/s	Intel® Insider™	✓
Processor cache	3 MB	Intel® Quick Sync Video Technology	✓
Processor cache type	Smart Cache	Intel Flex Memory Access	✓
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		

Processor		Processor special features	
FSB Parity	✗	Intel® Smart Cache	✓
Stepping	L1	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	35 W	Intel Trusted Execution Technology	✓
Tjunction	105 °C	Intel Enhanced Halt State	✓
Maximum number of PCI Express lanes	16	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	3.0	Intel Demand Based Switching	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® Secure Key	✓
CPU multiplier (bus/core ratio)	29	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
ECC supported by processor	✗	Intel 64	✓
Memory		Execute Disable Bit	✓
Internal memory *	8 GB	Idle States	✓
Internal memory type	DDR3-SDRAM	Thermal Monitoring Technologies	✓
Memory clock speed	1600 MHz	Processor package size	37.5 x 37.5 (rPGA988B); 31.0 x 24.0 (BGA1023)
Memory form factor	SO-DIMM	Supported instruction sets	AVX
Memory layout (slots x size)	2 x 4 GB	Processor code	SR0X9
Memory slots	2x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	8 GB	Embedded options available	✗
Storage		Graphics & IMC lithography	22 nm
Total storage capacity *	500 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage media *	HDD	Intel Identity Protection Technology version	1.00
Number of HDDs installed	1	Intel Secure Key Technology version	1.00
HDD capacity	500 GB	Intel Virtualization Technology (VT-x)	✓
HDD interface	SATA	Intel Dual Display Capable Technology	✓
HDD speed	7200 RPM	Intel FDI Technology	✓
HDD size	2.5"	Intel Rapid Storage Technology	✗
Optical drive type *	✗	Intel Fast Memory Access	✓
Card reader integrated	✓	Processor ARK ID	71256
Graphics		Conflict-Free processor	✓
On-board graphics card *	✓	Integrated 4G WiMAX	✓
On-board graphics card family	Intel® HD Graphics	Battery	
On-board graphics card model *	Intel® HD Graphics 4000	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card base frequency	650 MHz	Number of battery cells	6
On-board graphics card dynamic frequency (max)	1250 MHz	Power	
On-board graphics card ID	0x166	DC-in jack	✓
Audio		Security	
Built-in microphone	✓	Cable lock slot	✗
Network		Fingerprint reader	✓
Wi-Fi	✓	Sustainability	
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)	Sustainability certificates	EPEAT Silver, ENERGY STAR
Wi-Fi standards	Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN	✓	Width	309 mm
Ethernet LAN data rates	10,100,1000 Mbit/s	Depth	226 mm
Bluetooth	✓	Height (front)	2.24 cm
Bluetooth version	4.0	Height (rear)	2.47 cm
Cabling technology	10/100/1000Base-T(X)	Weight *	1.38 kg
Networking standards	IEEE 802.11n, IEEE 802.3, IEEE 802.3u	Packaging content	
Ports & interfaces		AC adapter included *	✓
USB 2.0 ports quantity *	1	Cables included	AC
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		

Ports & interfaces		Packaging content	
DVI port	✗	Manual	✓
VGA (D-Sub) ports quantity	1	Quick start guide	✓
S/PDIF out port	✗	Other features	
Microphone in	✗	LightScribe	✗
Combo headphone/mic port	✓	Maximum internal memory (64-bit)	8 GB
Docking connector	✓	Quantity	1
ExpressCard slot	✓	64-bit computing	✓
CardBus PCMCIA slot type	✗		
Headphone connectivity	3.5 mm		
Microphone connectivity	3.5 mm		
Performance			
Motherboard chipset	Intel® QM77 Express		
Keyboard			
Pointing device	Touchpad		

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