

		VGN-FE31Z
Operating System		
Operating System	Genuine Windows® Media Center Edition 2005 " Vista™ Capable", " Premium Ready"	
Architecture		
Platform	Intel® Centrino® Duo Mobile technology	
Chipset	Mobile Intel® 945PM Express Chipset	
CPU Section		
Microprocessor Full Name	Intel® Core™ 2 Duo Processor T5600, Supports Enhanced Intel® SpeedStep® Technology	
Microprocessor Manufacturer	Intel®	
Microprocessor Speed (GHz)	1,83	
Number of Core™s	2	
L2 Cache (KB)	2048	
Frontside Bus (MHz)	667	
Memory		
Memory Speed (MHz)	533	
Memory Type	DDR2 SDRAM (2x1024MB)	
Max. Memory (MB)	2048	
Memory Size (MB)	2048	
Hard Disk Drive		
Hard Drive Capacity (GB)	200	
Hard Drive Type	Serial ATA	
Hard Drive speed (rpm)	4200	
Optical Drive		
Optical Drive Type	DVD+/-RW/+R DL/RAM	
Optical Drive Fitting	Built-in	
Optical Drive Speed Read	CD x24, CD-R x24, CD-RW x24, DVD x8, DVD-R DL x6, DVD-R x8, DVD-RW x8, DVD+R DL x6, DVD+R x8, DVD+RW x8, DVD-RAM x5	
Optical Drive Speed Write	CD-R x24, CD-RW x24, DVD-R DL x4, DVD-R x8, DVD-RW x6, DVD+R DL x4, DVD+R x8, DVD+RW x8, DVD-RAM x5	
Display		
Display Type	X-black LCD with double lamp technology	
Diagonal Size (in)	15,4	
Resolution Format	1280 x 800	
Resolution Type	WXGA	
Graphics		
Graphic Card Full Name	NVIDIA® GeForce® Go 7600 with 128MB dedicated VRAM	
Producer	NVIDIA®	
Comments		
Interfaces		
4 Pin i.LINK™ (IEEE1394), 400 Mbps	1	
DC in	1	
Docking Station Interface	1	
Memory Stick™ Slot	1	
Memory Stick™ Slot Type	Memory Stick™ Duo, Memory Stick™ PRO Duo, high speed data transfer and MagicGate compatible.	
Audio out	1	
Audio out Type	Stereo Headphones/Speakers Jack	
Microphone Jack	1	
RJ-11 Direct Port (Modem)	1	
RJ-45 Direct Port (Network)	1	
s-Video out	1	
USB Speed	High/Full/Low	
USB Port (quantity)	3	
USB Version	2	
USB Connector Type	A	
VGA Connector for Monitor	1	
PCMCIA Card Type I or II	1	
Express Card Slot	1	
Express Card Type	34mm	
Multi-card Reader	1 (supplied external, compatible with Memory Stick™ Standard Size, Memory Stick™ PRO, high speed data transfer and MagicGate compatible, MultiMedia Card (MMC) , SD Card, xD Card) (VGP-MCA20)	
Keyboard Section		
Touch Pad	1	
Battery		
Battery Type	Lithium-Ion battery (VGP-BPS2C)	
Battery life time	160	
Battery charging time	180	
Connectivity		
Built-in Modem	V92/V.90	
Integrated Wireless LAN	YES	
Wireless LAN Max. Data Rate (Mbps)	54	
Wireless LAN Range (m)	max. 100	
Integrated Bluetooth (Version)	2.0 + EDR	
Bluetooth Range (m)	10	
Wireless LAN Type	802.11a/b/g	
Ethernet network	100 BASE-TX/10 BASE-T	
Multimedia		
Intel® High Definition Audio compatible	YES	
Built-in Stereo Speakers	YES	
3D Surround	YES	
Windows® Sound System Compatible	YES	
Direct Stream Digital (DSD)	YES	
Sound Reality	YES	
Built-in Camera		
Built-in 'Motion Eye' Digital Camera	YES	
Frames per Second	30	
Image Sensor (Mega Pixels)	0,37	
Motion Picture Function	YES	
Motion Pictures max. Resolution (pixels)	VGA (640x480)	
Features		
Special Buttons	Power button, Wireless switch, Short-cut Keys (S1 & S2) , Mute, Volume Control	
Auto Resolution	Plug and Display	
Kensington Lock	Yes	
Built-in Microphone	Yes	
Software		
Audio	SonicStageCP 4.0, SonicStage Mastering Studio 2.2, DSD Direct 1	
Video & TV	Adobe® Premiere® Elements 2.0, DVgate Plus 2.2, VAIO Edit Components 6.0, WinDVD 5.0 for VAIO	
Photo	Adobe® Photoshop® Elements 4.0	
CD-DVD Burning	Roxio DigitalMedia SE 7, Click to DVD® 2.5	
Office Application	Adobe® Acrobat® Elements 7.0, Adobe® Reader® 7.0, Microsoft® Works 8.5, Microsoft® Office 2003 STT (Try & Buy)	
Security & Other	Norton Internet Security 2006 (with 90days free virus update), Norton Ghost 10 (try & buy), VAIO Recovery Utility 2.6 - HDD recovery (hidden partition), Skype 2.0, Google software package	
Dimensions		
Depth Main Unit (mm)	274,5	
Height Main Unit (mm)	26	
Width Main Unit (mm)	366	
Weight with Supplied Battery and Supplied Drive (kg)	2,8	
Supplied Accessories		
AC Adaptor	YES	
Battery	YES	
Power Cord	YES	
Others	Memory Card Adaptor (Memory Stick™ Standard size, Memory Stick™ PRO, MMC, SD, xD) (VGP-MCA20)	
Optional Accessories		
	VAIO Carrying cases (VAIO Deluxe leather bag: PCGE-CCL2 – VAIO City Style Nylon bag: PCGE-CCP2W – VAIO Sling Case: VGPE-MBSL01– VAIO High end Leather Messenger: VGPE-MBML01 - VAIO Back Pack: VGPE-MB03) • Slip Cover (VGP-CP10) • Port Replicator (VGP-PRFE1) • Expansion memory module (512 MB: VGP-MM512M, 1GB: VGP-MM1GA) • AC adapter (VGP-AC19V12) • Battery Pack (VGP-BPS2C, VGP-BPL2C) • +2 Years additional warranty (PCGE-VPW2) • +1 Years additional warranty (PCGE-VPW1) • Overseas Service (PCGE-VOS) • External USB mouse (ergonomic: VGP-UMS50 - Mini Optical: PCGA-UMS3B) • USB mouse and VoIP phone (VN-CX1) • Bluetooth mouse (VGP-BMS30) • USB MouseWireless mouse (VGP-WMS50) & Wireless keyboard (VGP-WKB1) only available in UK, FR and DE • Security cable (PCGE-SECU1) • Network Media Receiver VGP-MR100E	