

SATELLITE 2515CDS Product Specifications

MODEL	2515CDS/4.3 billion bytes		
PART NUMBER	PAS251U-S6CW8		
PROCESSOR			
Intel Pentium® 266Mhz (2.0v/2.5v) w/MMX	Yes		
Integrated Coprocessor	Yes		
Processor Cache	32KB: (16KB code; 16KB data)		
LEVEL 2 (L2) CACHE			
	Yes: 512KB		
Data Bus Width/Data Bus Speed	64 bit/66 MHz		
DATA RAM:			
Type of cache memory	1 Mbit Pipelined Burst Synchronous SRAM, 2.5v		
Access Time	8 ns		
SYSTEM ARCHITECTURE		<u>Connecting Devices</u>	
PCI BUS (v.2.1): (32-bit, 33 MHz)	PC Card Slots, Graphics Controller, HDD, CD-ROM, FDD		
ISA BUS: 16-bit, 8.25 MHz	BIOS, Sound chip, KBC		
MEMORY: 64Mbit EDO DRAM, 3.3V			
Standard	32 MB		
Maximum	160 MB		
Speed	60ns		
Hyper Page mode memory access	Yes		
Data Bus width	64 bit		
Local Bus Clock Speed	66 MHz		
BIOS (512KB: 4Mbit FLASH EPROM, 5V)	Supports APM (v.1.2), ACPI, PnP (v.1.2), VESA (v.2.0), DPMS, DCC2B, DMI (v.2.0) PCI BIOS		
DISPLAY			
Type	Color Bright Dual Scan (800 x 600)		
Size	12.1" Diagonal		
Dot Pitch	.30mm x .30mm		
Contrast Ratio	40:1		
VIDEO			
Memory: 4Mbit EDO DRAM, 3.3V	2 MB		
Speed	50ns		
Hyper Page mode support	Yes		
Controller Chip	C&T 69000		
Data Bus Width	64-bit		
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz		
Graphics Accelerator:	Yes with 64-bit BitBLT support		
2D graphics support	DirectDraw, H/W Cursor		
3D graphics support	Direct3D		
Digital Video Accelerator:	Yes		
YUV-to-RGB color space conversion	Yes		
Scaling/Interpolation	Yes		
DirectMPEG	Yes		
DirectVideo support	Yes:w/Game SDK driver fr/Microsoft		
Color Palette	16.7M colors		
Internal Support	<u>Resolution</u>	<u>Colors Support</u>	
Full Screen	800 x 600	16.7M colors	
Smaller Image	640 x 480	16.7M colors	
Virtual Display Mode	1024 x 768	64K colors	
Virtual Display Mode	1280 x 1024	256 colors	
External Support	<u>Resolution</u>	<u>Colors Support</u>	<u>Vertical Refresh Rate (Non-Interlaced)</u>
	640 x 480	16.7M colors colors	85Hz @ 64K color
	800 x 600	16.7M colors colors	85Hz @ 64K color
	1024 x 768	64K colors	60 Hz @ 64K color
	1280 x 1024	256 colors	60 Hz @ 64K color

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ALL-IN-ONE DESIGN	
HDD	
Removable HDD (2.5" Enhanced IDE)	4.3 billion bytes (13msec read/14msec write) -- (One Screw Service removable)
Height	9.5mm
Buffer	512KB
Burst Data Transfer Rate	Ultra DMA33 Mode2 (33.3MB/sec) or PIO Mode 4 (16.7MB/sec)
FDD (3.5" 1.44MB; 12.7mm high)	Yes
Simultaneous FDD & CD-ROM Support	Yes: two independent internal units
CD-ROM: (5.25" ; 12.7mm high)	24X Maximum Speed
Weight	.62 lbs.
Interface	.ATAPI (Enhanced IDE) <i>with 128KB buffer</i>
Random Access Time	130 ms
Average Sustained Transfer Rate	3,600 KB/sec
Burst Data Transfer Rate	PIO Mode 4 (16.7MB/sec) or Multi Word DMA Mode2 (16.6MB/sec)
Supported Disc formats	CD-DA, CD-ROM, CD-R, CD-ROM XA, Photo CD (Multisession), Video CD, CD Extra (CD Plus), CD-G, CD-RW (read only)
KEYBOARD	
84/86 keys, 3mm Travel	Yes
Key support	Windows 95/98, Application, & 12 dedicated function keys
Key board height	8mm
Key Pitch	19.05mm
Cursor control (8 Keys, Inverted "T")	Yes
Numeric keypad (Integrated Overlay)	Yes
Integrated Pointing Device	AccuPoint™
EXPANSION SLOTS	
Two Stacked PC Card Slots	Yes: Holds two - 5mm PC Cards Type II or one - 10.5mm PC Card Type III.
Support Standards	Yes: Supports 32-bit, 3.3V PC CardBus cards <i>and</i> 16-bit, 5.0V PC card standards
Internal Memory Slot (One only)	Yes
EXPANSION PORTS	
One 9-Pin Serial (16550 UART equivalent)	Yes
One 25-Pin Parallel (8 bit ECP)	Yes
One 15-Pin RGB (SVGA video)	Yes
Fast Infrared port (Back only)	Yes: IrDA 1.1:4Mbps compatible
One (PS/2) 101 Keyboard/Mouse port	Yes: "Y" connector supported
Universal Serial Bus (USB) port	Yes: Supports 127 devices. Throughput Rate: 12Mbits/sec.
Microphone (3.5mm mini jack, monaural)	Yes
Headphone (3.5mm mini jack, stereo)	Yes
Line-in (3.5mm mini jack, stereo, 2V rms)	Yes
Noteworthy security lock port	Yes
PC Card MODEM (Bundled)	3Com-Noteworthy 56K PC Card Modem
Data support	
Protocols supported	Bell-103,& 212A, V.23, V.22, V.22bis, V.32, V.32bis, V.34, V.34+, V.90
Error correction	V.42/MNP 2-5
Data compression	MNP 5, CCITT V.42 bis
Fax support	Group 3, EIA/TIA, Fax class 1
Protocols supported	V.17, V.21 Channel 2, V.27 ter, V.29, V.33
Command Set	Hayes, Microcom compatible AT commands

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POWER (All models)	
<i>Autosensing External AC Adapter</i>	3.94"L x 1.96"W x 0.98"H --- .46 lbs.
Input (Voltage/Frequency)	100-240V; 50-60Hz
Output (Voltage/Amps)	15 VDC; 2A (max)
Power Output (Watts)	30W
Battery Type: Li-Ion (10.8V, 3600mAH)	Yes (one standard): Part# PA2487URN
Battery Life: (Full Power)	2.5+ hrs.
Recharge Time (Computer Off/On)	3+ hrs.. <i>depending on the computer function performed</i>
ACPI (v.1.0) Power Management	Yes

SOUND SYSTEM	Yamaha Sound System	
Chipset:	Yamaha OPL3-SA3	
16-bit stereo audio playback/record	Yes	
Maximum sampling rate	48 kHz	
FM Synthesis support	Yes (Soft Wave Table included)	
Full duplex function	Yes	
Sound formats supported:	SoundBlaster Pro™ V3.01, Windows Sound System V2.0, MIDI	
3D Sound Support	Yes	
Direct3DSound, DirectSound support	Yes: with Windows 95 Game SDK driver from Microsoft	
Speaker system	Two top-mounted stereo speakers (28mm, 8 Ω) <i>with volume control</i>	

DIMENSIONS	Dimensions	Weight
Notebook	12.17"W x 10.2"D x 1.7"H	6.7 lbs.
AC Adapter	3.94"L x 1.96"W x 0.98"H	.46 lbs.
Battery (Standard)	6.87"L x 2.76"W x .73"H	.88 lbs.

BUNDLED SOFTWARE
 Windows®98; Ring Zero Ring Central Dialer application, Intel Indeo Video, Mediamatics Arcade Pak, Prodigy Internet, Symantec Norton Antivirus Scanner 4.0; Disney Daily Blast, Microsoft Money 98; Microsoft Outlook; Intuit Quicken Basic 98; Fn-esse™, Online documentation
CD's Included: Recovery/Backup Combo CD; Microsoft Encarta 98 MPEG version (2 CD package); Microsoft Bookshelf, Microsoft Money, Microsoft Outlook 98

Choice of a Total of 5 Additional Software Titles

<i>Lotus® SmartSuite Millenium Edition (counts as 5 selections)</i>	
<u>Mobile Productivity</u> Laplink Rand McNally Trip Planner USA 98: Streets & Destinations Print Artist 4.0	<u>K-6 Education</u> Math Blaster 6-9 The Way Things Work Ultimate Creativity & Writing Center Eyewitness Children's Encyclopedia Freddi Fish 2: The Case of the Haunted Schoolhouse™
<u>7-12 Education</u> Algebra Blaster Encyclopedia of Science Student Writing Center Higher Score Guaranteed ACT/SAT/PSAT	<u>Entertainment</u> Don't Know Jack 3 Sierra Front Page Sports Skiing Abe's Oddysee Total Annihilation

SECURITY	Hardware	Cable Lock slot, PC Card lock slot, screen blank, keyboard lock
	Password	Power-on, Supervisor, & HDD password (both drives)

WARRANTY 1 YR Parts / 1 YR. Labor / 1 YR. Battery

ENVIRONMENTAL SPECIFICATIONS	Operating	Non-operating
Temperature:	41°F (5°C) to 95°F (35°C)	-4°F (-20°C) to 149°F (65°C)
Thermal Gradient: 20° C per hour (max.)	N/A	N/A
Relative Humidity: Operating	20% to 80% non-condensing	10% to 90% non-condensing
Altitude: Operating	-197 to 9,843ft. (-60 to 3000m)	-197 to 32,808ft. (-60 to 10,000m)
Shock: Operating	10G; 1.5G w/CD-ROM installed	60G; 50G w/CD-ROM installed
Vibration: Operating	0.5G; 0.25G w/CD-ROM installed	1G; 1G w/CD-ROM installed