

# SATELLITE 2505CDS Product Specifications

<b>MODEL</b>	2505CDS/2.1 billion bytes		
<b>PART NUMBER</b>	PAS250U-S6C		
<b>PROCESSOR</b>			
Intel Pentium® 233Mhz (1.8v/2.5v) w/MMX	Yes		
Integrated Coprocessor	Yes		
Processor Cache	32KB: (16KB code; 16KB data)		
<b>LEVEL 2 (L2) CACHE</b>			
	Yes: <b>512KB</b>		
Data Bus Width/Data Bus Speed	64 bit/66 MHz		
<b>DATA RAM:</b>			
	Yes		
Type of cache memory	1 Mbit Pipelined Burst Synchronous SRAM, 2.5v		
Access Time	8 ns		
<b>SYSTEM ARCHITECTURE</b>		<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		
<b>MEMORY: 64Mbit EDO DRAM, 3.3V</b>			
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)	Yes: supports APM (v.1.2); VESA (v2.0); DPMS, DCC2, DMI (through Win95); PCI		
PnP 1.0a SUPPORT	Yes		
<b>DISPLAY</b>			
Type	Color Bright Dual Scan (800 x 600)		
Size	12.1" Diagonal		
Dot Pitch	.30mm x .30mm		
Contrast Ratio	40:1		
<b>VIDEO</b>			
Memory: 4Mbit EDO DRAM, 3.3V	2 MB		
Speed	50ns		
Hyper Page mode support	Yes		
Controller Chip	C&T 65555		
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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<b>STORAGE</b>	
Removable <sup>1</sup> HDD (2.5" Enhanced IDE)	2.1 billion bytes (13msec read/14msec write)
<b>DRIVE BAY DEVICES</b>	
<b>FDD</b> (3.5" 1.44MB; 12.7mm high)	Yes
Simultaneous FDD & CD-ROM Support	Yes: two independent units
<b>CD-ROM:</b> (5.25" ; 12.7mm high)	20X Maximum Speed (14X-Average speed)
Weight	.62 lbs.
Interface	.ATAPI (Enhanced IDE)
Random Access Time	135 ms
Average Sustained Transfer Rate	2,400 KB/sec
Burst Data Transfer Rate	PIO Mode 4 (16.7MB/sec)
Supported Disc formats	CD-DA, CD-ROM, CD-ROM XA, CD-Bridge (Photo-CD, Video-CD), CD-I, CD-I Ready, CD-G, Multisession (Photo-CD, CD-Plus)
<b>KEYBOARD</b>	
84/86 keys, 3mm Travel	Yes with Windows 95 key support & 12 dedicated function keys
Cursor control (8 Keys, Inverted "T")	Yes
Numeric keypad (Integrated Overlay)	Yes
<b>Integrated Pointing Device</b>	AccuPoint™
<b>EXPANSION SLOTS</b>	
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
<b>EXPANSION PORTS</b>	
One 9-Pin Serial (16550 UART compliant)	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, stereo)	Yes
Headphone (3.5mm mini jack, stereo)	Yes
Line-in (3.5mm mini jack, stereo, 2V rms)	Yes
Noteworthy security lock port	Yes
<b>PC Card MODEM (Bundled)</b>	Xircom Credit Card Modem 56
Data support	
Protocols supported	Bell-212A, V.23, V.22, V.22bis, V.32, V.32bis, V.34, <b>K56flex</b>
Error correction	V.42/MNP 2-4
Data compression	MNP 5, CCITT V.42 bis
Fax support	Group 3, EIA/TIA, Fax class 1
Protocols supported	V.17, V.27 ter, V.29
Command Set	Hayes, Microcom compatible AT commands

1. One Screw Service removable.

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<b>POWER (All models)</b>	
<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 - 5 hrs. <i>depending on the computer function performed</i>
MaxTime® Power Management	Yes

<b>SOUND SYSTEM</b>	
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
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)

<b>DIMENSIONS</b>	<b>Dimensions</b>	<b>Weight</b>
Notebook	11.96"W x 9.4"D x 2.1"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; Yamaha Audio Rack; Puma Intellisync97 (infrared software), Ring Zero Ring Central Dialer application, Mediamatics Arcade Pak; Symantec Norton Antivirus Scanner 4.0; Prodigy Internet; Intel Indeo Video, Fn-esse™, Microsoft Works 4.5; Microsoft Money 98; Microsoft Outlook; Intuit Quicken Basic 98; Disney Daily Blast, Online documentation  
**CD's Included:** Windows® 95 Companion CD; Recovery/Backup CD; Microsoft Encarta 98 MPEG version (2 CD package); Microsoft Golf Multimedia CD; Microsoft Works/Money/Outlook CD; Sony Music Videos CD

<b>SECURITY</b>	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

<b>ENVIRONMENTAL SPECIFICATIONS</b>		<b>(All models)</b>	
		<b>Operating</b>	<b>Non-operating</b>
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