

SATELLITE 2530CDS Product Specifications

MODEL		2530CDS/4.3 billion bytes	
PART NUMBER		PAS253U-S2CW8	
PROCESSOR			
Intel Pentium® 300Mhz (2.0v/2.5v) w/MMX	Yes (<i>Uses 0.25 micron technology</i>)		
Integrated Coprocessor	Yes		
Processor Cache	32KB: (16KB code; 16KB data)		
LEVEL 2 (L2) CACHE			
Yes: 512KB			
Type of cache memory	Pipelined Burst Synchronous SRAM		
Cacheable Main Memory Area	Up to 64MB		
Data/Address Bus Width	64-bit/32-bit		
Local Clock Bus Speed	66 MHz		
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		
BIOS			
4Mbit Flash EPROM (5V), 512KB			
Supported standards	APM (v.1.2); ACPI; PnP (v.1.0a); VESA (v.2.0); DPMS; DCC2B; DMI (v.2.0); PCI BIOS; CD-ROM & ATA-HDD bootable		
SYSTEM MANAGEMENT		DMI 2.0 BIOS w/asset tag capability; Wired for Management (v.1.1a); ACPI	
MEMORY: 64Mbit EDO DRAM, 3.3V			
Standard	32 MB		
Maximum	160 MB		
Speed	60ns		
Hyper Page mode memory access	Yes		
Data /Address Bus width	64-bit/32-bit		
Local Bus Clock Speed	66 MHz		
VIDEO			
Memory: 4Mbit EDO DRAM, 3.3V	2 MB <i>integrated into the Graphics Controller</i>		
Speed	50ns with <i>Hyper Page mode support</i>		
Controller Chip	C&T 69000		
Data Bus Width	64-bit		
Local Bus Clock Speed	66MHz		
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz		
Graphics Accelerator:	Yes with 64-bit BitBLT support		
2D graphics support	BitBLT, DirectDraw, H/W Cursor		
3D graphics support	Direct3D		
Digital Video Accelerator:	Yes		
YUV-to-RGB color space conversion	Yes		
Zoom	Yes		
Scaling/Interpolation	Yes		
DirectMPEG support	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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DISPLAY	
Type	Color Bright Dual Scan (800 x 600)
Size	13.0" Diagonal
Dot Pitch	.30mm x .30mm
Contrast Ratio	40:1
Brightness Control	Yes: using SETUP or Power Save Utility
Contrast Control	Yes
ALL-IN-ONE DESIGN	
HDD	
Removable HDD (2.5" Enhanced IDE)	4.3 billion bytes (13msec read/14msec write)
Height	9.5mm
Buffer	512KB
Burst Data Transfer Rate	Ultra DMA33 Mode2 (33.3MB/sec) or PIO Mode 4 (16.7MB/sec)
Local Bus support	Yes
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 keys, 3mm Travel	Yes
Key support	Windows 95/98, Application
Internet Browser function	F6 key
CD-ROM functions	Skip to Previous track (F7); Play & Stop (F8); Skip to next track (F9)
Dedicated function keys	12 dedicated function keys
Keyboard height	9.5mm
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 127devices. 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

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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	
POWER (All models)		
Autosensing External AC Adapter	3.94"L x 1.96"W x 0.98"H --- .48 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# PA2487URG	
Dimensions	6.87"L x 2.76"W x .73"H	
Battery Life: (Full Power)	3.0 hrs.	
Recharge Time (Computer Off/On)	3+ hrs./4-10 hrs. <i>depending on the computer function performed</i>	
Power Saving Features	ACPI (v.1.0) Power Management, CPU sleep, HDD Auto Off, Display Auto Off, CPU speed change, Auto Resume, and Hibernation	
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	12.2"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	.48 lbs.
Battery (Standard)	6.87"L x 2.76"W x .73"H	.88 lbs.
BUNDLED SOFTWARE		
Windows®98; Symantec Norton Antivirus Scanner 4.0; Ring Zero® Ring Central™; Toshiba Custom Utilities; Online Documentation; Intel Indeo Video; AOL update; Free Trial Internet Offer		
CD's Included: Bootable Configuration Builder CD		
SECURITY		
Hardware	Cable Lock slot, PC Card lock slot, main HDD (by screw only), 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	60G
Vibration: Operating	0.5G	1G