

SATELLITE 305CDS Product Specifications

MODEL	305CDS: 2.1 Billion Bytes		
PART NUMBER	PA1261U-S6C		
PROCESSOR			
Intel Pentium® 166Mhz (2.5v/3.3v)	Yes: with MMX support		
External data bus width	64 bit		
External data/address bus speed	66 MHz		
Integrated Coprocessor	Yes		
Processor Cache	32KB: (16KB code; 16KB data)		
LEVEL 2 (L2) CACHE			
	Yes: 256KB		
Data Bus Width	64 bit		
Data Bus Speed	66 MHz		
DATA RAM:			
1 Mbit Pipelined Burst Synchronous SRAM	(32K x 32bit, 3.3V) x 2		
Access Time	8 ns		
SYSTEM ARCHITECTURE (All models)			
PCI BUS (v.2.1): (32-bit, 33 MHz)	Connecting Devices: PC Card Slots, HDD, Graphics Controller, CD-ROM, FDD		
ISA BUS: 16-bit, 8.25 MHz	Connecting Devices: BIOS, Sound chip, KBC		
MEMORY: 16Mbit EDO DRAM, 3.3V			
Standard	16 MB		
Maximum	144 MB		
Speed	60ns		
Hyper Page mode memory access	Yes		
Data width	64 bit		
Local Bus Clock Speed	66MHz		
BIOS: (4Mbit FLASH EPROM, 5V)			
	Yes: 512K		
PnP 1.0a SUPPORT			
	Yes: supports APM (v.1.2); VESA (v2.0); DPMS, DCC2, DMI (through Win95)		
DISPLAY			
Type (800 x 600 resolution)	Color Bright Dual-Scan Passive Matrix Color		
Size	12.1" Diagonal		
Dot Pitch	.3075mm x .3075mm		
Contrast Ratio	40:1		
VIDEO			
Memory: 4Mbit EDO DRAM, 3.3V	2 MB		
Speed	50ns		
Hyper Page mode support	Yes		
Controller Chip	Chips & Technologies 65555		
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz		
Graphics Accelerator:			
	Yes with 64-bit BitBLT support		
Data Bus Width	64-bit		
DirectDraw, Direct3D, H/W Cursor	Yes		
Video Accelerator:			
	Yes		
YUV-to-RGB color space conversion	Yes		
Scaling & Interpolation	Yes		
DirectMPEG & DirectVideo support	Yes		
Color Palette	16.7M colors		
Internal Support			
	800 x 600 x 16M colors		
Smaller Image	640 x 480 x 16M colors		
Virtual Display Mode	1024 x 768 x 64K colors		
Virtual Display Mode	1280 x 1024 x 256 colors		
External Support			
		<u>Colors/Palette</u>	<u>Vertical Refresh Rate (Max)</u>
	640 x 480	16.7M colors	85Hz Non-interlaced @ 64K colors
	800 x 600	16.7M colors	85Hz Non-interlaced @ 64K colors
	1024 x 768	64K colors	60Hz Non-interlaced @ 64K colors
	1280 x 1024	256 colors	60Hz Non-interlaced @ 64K colors

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DRIVE BAY DEVICES	
HDD (2.5" Enhanced IDE, 12.7mm)	
Removable ¹ HDD	2.1 billion bytes (12-13 msec)
Local Bus Support	Yes
FDD (3.5" 1.44MB, V)	Yes
Simultaneous FDD & CD-ROM Support	Yes: two independent units
CD-ROM: (5.25", 12.7mm)	16X Maximum speed (10X Average speed)
Weight	.62 lbs.
Interface	.ATAPI (Enhanced IDE)
Buffer size	128KB
Random Access Time	135 ms
Average Sustained Transfer Rate	1,500 KB/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)
KEYBOARD (All models)	
Windows 95 support	Yes
84 keys, 3mm Travel	Yes
12 dedicated function keys	Yes
Hot Key function	Yes
Cursor control (8 Keys, Inverted "T")	Yes
Numeric keypad (Integrated Overlay)	Yes
Integrated Pointing Device	AccuPoint™
EXPANSION SLOTS (All models)	
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 (All models)	
	LOCATION
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 (IrDA 1.1:4Mbps compatible)	Yes: Rear only
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
SOUND SYSTEM (All Models)	
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)

1. One Screw Service removable.

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PC Card MODEM (Bundled) --- (All models)	Xircom Credit Card Modem 56	
Data support		
Protocols supported	Bell-212A, V.23, V.22, V.22bis, V.32, V.32bis, V.34, K56flex	
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	
POWER		
<i>Autosensing External AC Adapter</i>	3.93"L x 1.97"W x .98" --- .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/Low Power)	2.5+ hrs.	
Recharge Time (Computer Off/On)	3 - 5 hrs. <i>depending on the computer function performed</i>	
MaxTime® Power Management	Yes	
DIMENSIONS	11.96"W x 9.4"D x 2.18"H	
WEIGHT (includes .86 lbs. battery)	6.7 lbs.	
BUNDLED SOFTWARE	Windows®95, Yamaha Audio Rack, Mediamatics MPEG ARCADE™ Pak, RingZero RingCentral v.1.0 Telephony application, QuickBeam (Infrared software)♣, MaxTime®, MagiCDisc, Fn-Esse, Hypertext on-line documentation., Intuit Quicken Basic, AntiVirus™Scan & Repair (v.11E), Disney's® Daily Blast	
CD's Included:	Recovery CD, Backup CD, Internet Explorer 4.0, Microsoft Works 4.5/Money 98 CD, Microsoft Outlook CD, Microsoft Encarta 98 (dual) CD pack, Microsoft Golf 3.01 CD	
SECURITY		
Hardware	Lock slot for computer & PC Card	
Software	Screen blank, Keyboard lock	
Password	Power-on, & Supervisor password	
WARRANTY	1 YR Parts / 1 YR. Labor	
ENVIRONMENTAL SPECIFICATIONS	<u>Operating</u>	<u>Non-operating</u>
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

♣ Downloadable from the Toshiba or Extended Systems websites.