

SATELLITE 4060CDT Product Specifications

PART NUMBER		DESCRIPTION	
PAS406U-T2CW8		PII333, 13.3”, 64MB, 4.3bb HDD, Modem, Windows 98 w/ dual linked Win95/98 Configuration Builder CD	
PAS406U-T2N4		PII333, 13.3”, 64MB, 4.3bb HDD, Modem, Windows NT 4.0	
PROCESSOR (All models)		Intel Mobile Pentium II 333Mhz (1.6v)	
Integrated Coprocessor		Yes	
Processor Cache (L1) Capacity		32KB: (16KB code; 16KB data)	
LEVEL 2 (L2) CACHE (All models)		Yes: 256KB <i>Integrated into CPU</i>	
Data/Address Bus Width		64bit/32bit	
Front Side Bus Clock Speed		66 MHz	
SYSTEM ARCHITECTURE (All models)		<u>Chipset</u>	<u>Connecting Devices</u>
PCI BUS (v.2.1): (32-bit, 33 MHz)		Intel 440DX	Graphics Controller, Sound chip, modem
ISA BUS: 16-bit, 8.33 MHz		N/A	BIOS, KBC
MEMORY: 64Mbit SDRAM, 3.3V (All models)			
Standard		64 MB	
Maximum		192 MB	
Speed		60ns	
Hyper Page mode memory access		Yes	
Data/Address Bus Width		64bit/32bit	
Local Bus Clock Speed		66 MHz	
BIOS (All models)		512KB: 4Mbit FLASH EPROM, 5V	
Supported standards		APM (v.1.2); ACPI; PnP 1.0a; VESA (v.2.0); DPMS, DCC2B, SM BIOS (v.2.1); PCI BIOS	
DISPLAY (All models)			
Type		TFT Active Matrix Color (1024 x 768)	
Size		13.3” Diagonal	
Dot Pitch		.3075mm x .3075mm	
Contrast Ratio		100:1 (Min)	
VIDEO (All models)			
Memory		2.5 MB <i>integrated into chipset</i>	
Speed		50ns	
Hyper Page mode support		Yes	
Controller Chip		Trident Cyber 9525	
Data Bus Width		64-bit	
PCI Bus Architecture		Yes: 32-bit, 33 MHz	
Graphics Accelerator:		Yes with 64-bit BitBLT support	
2D graphics support		BitBLT, DirectDraw, H/W Cursor, Pattern area fills, polygon fill	
3D Supported Features			
Modeling		Fogging, Lighting	
Shading		Flat shading, Gouraud shading	
Rendering		Bilinear texture mapping , Anti-aliasing, MIP mapping, Z-buffering	
Alpha-blending		Yes	
Direct3D support		Yes	
Digital Video Accelerator:		Yes	
YUV-to-RGB color space conversion		Yes	
Scaling/Interpolation		Yes	
Color Palette		16.7M colors	
Internal Support	Resolution	Colors Support	
Full Screen	1024 x 768	64K colors	
Smaller Image	640 x 480	16.7M colors	
Smaller Image	800 x 600	16.7M colors	
Virtual Display Mode	1280 x 1024	256 colors	
External Support	<u>Resolution</u>	Colors Support	<u>Vertical Refresh Rate (Non-Interlaced)</u>
	640 x 480	16.7M colors	85Hz @ 64K color
	800 x 600	16.7M colors	85Hz @ 64K color
	1024 x 768	64K colors	85 Hz @ 64K color
	1280 x 1024	256 colors	60 Hz @ 256 color

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ALL-IN-ONE DESIGN (All models)		
STORAGE		
Removable HDD (2.5" Enhanced IDE)		4.3 billion bytes (13msec) <i>with 512KB Buffer</i> --- 2 screw service-removable
Height		9.5mm
Burst Data Transfer Rate		Ultra DMA Mode 2 (33.3MB/s); PIO Mode 4 (16.7MB/s)
FDD (3.5" 1.44MB; 12.7mm high)		Yes
Simultaneous FDD & CD-ROM Support		Yes: two independent units
CD-ROM: (5.25"; 12.7mm high, .62 lbs.)		24X Maximum Speed
Interface		.ATAPI (Enhanced IDE) with 128KB buffer
Random Access Time		130 ms
Average Sustained Transfer Rate		3,600 KB/sec
Burst Data Transfer Rate		PIO Mode 4 (16.7MB/sec); Multi Word DMA Mode2 (16.6MB/sec)
Supported Disc formats		CD-DA, CD-ROM, CD-R, CD-ROM XA, CD-I FMV, Photo CD (Multi-session) Video CD, CD Extra (CD Plus), CD-G, CD-RW (read only)
INTERNAL MODEM (As Listed)		
DAA support		Internal 56K V.90 modem
Data support (All models)		US/Canada
	Protocols supported	Bell-103/212A, CCITT-V.21/V.22, V.32, V.32bis, V.34, V.90
	Error correction	MNP 1-4
	Data compression	MNP 5, CCITT V.42 bis
Fax support (All models)		Fax class 1
	Protocols supported	V.21 ch2, V.27 ter, V.29, V.17
SOUND SYSTEM		
Chipsets		ESS ES1978S (PCI audio accelerator); ESS ES1920S
Features		Hardware acceleration for DirectMusic, ActiveMovie, and Direct Input API
16-bit stereo audio support		Yes
Maximum sampling rate		48 kHz
FM Synthesis support		Yes: 64-channel wavetable music synthesis
Full duplex function		Yes
Sound formats supported:		SoundBlaster Pro™ V3.01, Windows Sound System V2.0; MIDI
3D Sound Support		Yes: HRTF 3D positional audio, DVD AC-3 speaker virtualization
Direct3Dsound, DirectSound support		Yes: with Windows 98 Game SDK driver from Microsoft
Speaker system		Stereo Bass-Reflex speaker system
Form factor		Two top-mounted stereo speakers (28mm, 8 Ω) <i>with volume control</i>
KEYBOARD		
84/86 keys, 3mm Travel		Yes
12 dedicated function keys		Yes
Windows 95/98 key support		Yes
Application Key support		Yes
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 and 16-bit, 5.0V PC card standards
Internal Memory Slot (One only)		Yes

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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	
One Fast Infrared port (Back only)	Yes: IrDA 1.1:4Mbps compatible	
One (PS/2) 101 Keyboard/Mouse port	Yes: "Y"connector supported	
One Universal Serial Bus (USB) port	Yes: Supports 127devices. Throughput Rate: 12Mbps/sec.	
One Microphone (3.5mm mini jack, stereo)	Yes	
One Headphone (3.5mm mini jack, stereo)	Yes	
One Line-in (3.5mm mini jack, stereo, 2V rms)	Yes	
One Noteworthy security lock port	Yes	
Enhanced Port Replicator III (Optional)		Part# PA2717U (Requires Adapter PA2730U)
Dimensions/Weight		13.2"W x 10.6"D x 2.9"H (Weight: 3.3 lbs.)
Two Type III CardBus ready PC Card slots		Yes: each slot supports one card
Supported Interfaces		Serial, parallel, PS/2 keyboard, PS/2 mouse, DC in, SVGA monitor, FDD port, lock slot , joystick/MIDI, line-in, line-out, headphone, microphone, lock slot
POWER		
Autosensing External AC Adapter: PA2450U		4.9"L x 2.46"W x .97"H --- Weight: .66lbs.
Input (Voltage/Frequency)		100-240V; 50-60Hz
Output (Voltage/Amps)		15 VDC; 3.0A
Power Output (Watts)		45W
Battery Type: Li-Ion (10.8V, 4000mAH)		Yes (one standard): Part# PA2487URG
Battery Life: (Full Power)		3.0 hrs.
Recharge Time (Computer Off/On)		2.5+/4-10 hrs. depending on the computer function performed
Power Saving Features		APM v.1.2 BIOS, CPU Sleep mode, HDD Auto Off, Auto Resume, Display Auto Off CPU speed change, Hibernation
DIMENSIONS		DimensionsWeight
Notebook		12.1"W x 10.2"D x 1.6"H7.0 lbs.
AC Adapter		4.9"L x 2.46"W x .97"H.66lbs.
Battery (Standard)		6.87"L x 2.76"W x 0.73"H.88 lbs.
BUNDLED SOFTWARE (Windows 98 models)		
Windows®98; Ring Zero Ring Central; Symantec Norton Antivirus Scanner; Free Internet Trial Offer; America Online IntelliSync97; Microsoft Internet Explorer 4.0; Prodigy Internet; Intel Indeo Video; User's Guide Toshiba Utilities (HWSetup, Quick Hibernation, Toshiba Hibernation, Power Saver, FN-esse) CD's Included: Bootable Linked Win98 Configuration Builder CD; Bootable Linked Win95 Configuration Builder CD; Toshiba Companion Diskette		
BUNDLED SOFTWARE (Windows NT models)		
Windows NT 4.0; Service Pack 3.0; Toshiba Power Management System (APM); CardWizard Windows NT 4.0; User's Guide Microsoft Internet Explorer Additional Software on Configuration Builder CD: Microsoft Internet Explorer v4.01; SystemSoft CardWorks 32-bit; SMS Connection CD's Included: Windows NT Configuration Builder CD; Toshiba Companion Diskette		
SECURITY	Hardware	Cable Lock slot; By screw only: PC Card lock slot, HDD, internal modem
	Password	Power-on, Supervisor, & HDD password
	Miscellaneous	screen blank, keyboard lock
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	20% to 80% non-condensing	10% to 90% non-condensing
Altitude	-197 to 9,843ft. (-60 to 3000m)	-197 to 32,808ft. (-60 to 10,000m)
Shock	10G; 1.5G w/CD-ROM installed	60G; 50G w/CD-ROM installed
Vibration	0.5G; 0.25G w/CD-ROM installed	1G; 1G w/CD-ROM installed