

SATELLITE 4080XCDT Product Specifications

PART NUMBER	DESCRIPTION		
PAS408U-T2CW8	PII366, 14.1", 64MB, 6.4bb HDD, Modem, Windows 98 w/ dual linked Win95/98 Configuration Builder CD		
PAS408U-T2CN4	PII366, 14.1", 64MB, 6.4bb HDD, Modem, Windows NT Workstation 4.0		
PROCESSOR (All models)	Intel Mobile Pentium II 366Mhz (1.6v)		
Integrated Coprocessor	Yes		
Processor Cache (L1) Capacity	32KB: (16KB code; 16KB data)		
LEVEL 2 (L2) CACHE (All models)	Yes: 256KB Integrated into CPU		
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 (v2.0); DPMS, DCC2B, DMI (v.2.0); PCI BIOS		
DISPLAY (All models)			
Type	TFT Active Matrix Color (1024 x 768)		
Size	14.1" Diagonal		
Dot Pitch	.3075mm x .3075mm		
Contrast Ratio	100:1 (Min)		
VIDEO (All models)			
Memory	2.5 MB <i>integrated into chipset</i>		
Controller Chip	Trident Cyber 9525DVD		
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	<u>Resolution</u>	<u>Colors Support</u>	
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>	<u>Colors Support</u>	<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)	6.4 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 w/v.90 support
Data support (All models)	US/Canada and Euro/Australia
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
Modem Functions (Windows 95/98 only)	
Standard software	Ring Zero RingCentral telephony software
Supported Functions	Ring Wake-up Resume
SOUND SYSTEM	
Chipsets	ESS ES1978S (PCI audio accelerator); ESS ES1920S
Features	Hardware acceleration for DirectMusic, ActiveMovie, and Direct Input API
18-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 <i>and</i> 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
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

Enhanced Port Replicator III (Optional)

Part# PA2717U

Dimensions/Weight	13.2"W x 10.6"D x 2.9"H (<i>Weight: 3.3 lbs.</i>)
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

Port Replicator (Optional)

Part# PA2731U

Dimensions	12.36"W x 12.6"D x 2.0"H (.51 High in front)
Supported Interfaces	Serial, parallel, PS/2 keyboard, PS/2 mouse, DC in, SVGA port, volume control, lock slot, joystick/MIDI, line-in, line-out, headphone, microphone, lock slot, (2)USB

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. <i>depending on the computer function performed</i>
Power Saving Features	APM v.1.2 BIOS, CPU Sleep mode, HDD Auto Off, Auto Resume, Display Auto Off CPU speed change, Hibernation

DIMENSIONS

	<u>Dimensions</u>	<u>Weight</u>
Notebook	12.2"W x 10.2"D x 1.6"H	7.0 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; Encompass/AT&T Internet Offer; America Online Intel Indeo Video; Toshiba Utilities (HWSetup, Quick Hibernation, Toshiba Hibernation, Power Saver, FN-esse); User's Guide
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

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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

	<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	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