

Satellite Pro 420CDS Product Specifications

	Satellite Pro 420CDS 810 Million Bytes: PA1225U-S6C	Satellite Pro 420CDT 1.35 Billion bytes: PA1225U-T2C
PROCESSOR		
Intel Pentium® 100Mhz (2.9v/3.3v) w/VRT	Yes	
External data bus width	64 bit	
External data/address bus speed	66 MHz	
Integrated Coprocessor	Yes	
Processor Cache	16KB: (8KB code; 8KB data)	
MEMORY: 16Mbit EDO DRAM, 3.3V		
Standard	8 MB	
Maximum	40 MB	
Speed	60ns	
Hyper Page mode memory access	Yes	
Data width	64 bit	
BIOS (128KB FLASH EPROM, 150ns, 5V)	Yes	
PnP 1.0a SUPPORT	Yes	
DISPLAY		
Type	Dual Scan Passive Matrix	TFT Active Matrix Color
Size	11.3" (9"W x 6.75"H)	11.3" (9"W x 6.75"H)
Dot Pitch	.28mm x .28mm	.28mm x .28mm
Contrast Ratio	25:1 (max); 15:1 (min)	100:1 (min)
VIDEO		
Memory: 4Mbit EDO DRAM, 5V	2 MB	2 MB
Speed	60ns	50ns
Hyper Page mode support	Yes	Yes
Controller Chip	C&T HIQV32 (CT65550)	C&T HIQV32 (CT65550)
VESA Local-Bus Video	Yes: 32-bit, 33 MHz	Yes: 32-bit, 33 MHz
Graphics Accelerator:	Yes	Yes
32-bit BitBLT, LINEdraw, H/W Cursor	Yes	Yes
Video Accelerator:	Yes	Yes
YUV-to-RGB color space conversion	Yes	Yes
Scaling Support	Yes	Yes
Zoomed Video Port Support	Yes	Yes
DirectVideo support	Yes:w/Game SDK driver fr/Microsoft	Yes:w/Game SDK driver fr/Microsoft
Color Palette	16.7M colors	16.7M colors
Internal Resolution	800 x 600 x 64K/64K colors	800 x 600 x 16.7M/16.7M colors
Smaller Image	640 x 480 x 64K/64K colors	640 x 480 x 16.7M/16.7M colors
Virtual Display Mode	1024 x 768 x 64K/64K colors	1024 x 768 x 64K/64K colors
	1280 x 1024 x 256/222K colors	1280 x 1024 x 256/256K colors
External Resolution	<u>Colors/Palette</u>	<u>Colors/Palette</u>
640 x 480	16.7M colors/16.7M colors	16.7M colors/16.7M colors
800 x 600	16.7M colors/16.7M colors	16.7M colors/16.7M colors
1024 x 768	64K colors/64K colors	64K colors/64K colors
1280 x 1024	256/256K colors	256/256K colors
Refresh Rate (taken.@ 1024x768 Non-Interlaced)	Vert.: 75Hz; Hor.: 60kHz	Vert.: 75Hz; Hor.: 60kHz
KEYBOARD		
82 keys, 3mm Travel	Yes	
12 dedicated function keys	Yes	
Cursor control (8 Keys, Inverted "T")	Yes	
Numeric keypad (Integrated Overlay)	Yes	
Integrated Pointing Device		
	AccuPoint™	

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STORAGE		
HDD (2.5" Enhanced IDE)	810 million bytes=770MB (13msec)	1.35 Billion byte (=1.26GB)
SELECT BAY DEVICES		
Modular FDD (3.5" 1.44MB)	Included/Swappable with CD-ROM	Included/Swappable with CD-ROM
FDD Dimensions	4.57"L x 3.8"W x .59"H	4.57"L x 3.8"W x .59"H
FDD Weight	Weight: .29 lbs	Weight: .29 lbs
Simultaneous FDD & CD-ROM Support	Yes: External FDD adapter included	Yes: External FDD adapter included
FDD Adapter Dimensions	7.0"L x 5.5"W	7.0"L x 5.5"W
FDD Adapter Weight	.25 lbs	.25 lbs
Modular CD-ROM: Toshiba XM-1402B		
5.25" 6x-speed	Installed/Swappable with FDD	Installed/Swappable with FDD
Interface	.ATAPI (Enhanced IDE)	.ATAPI (Enhanced IDE)
Random Access Time	190 ms	190 ms
Sustained Transfer Rate	1,026 KB/sec	1,026 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)	
EXPANSION SLOTS		
Two Stacked PC Card Slot ²	Yes: ZV Card Ready	
16-bit, 5.0V PC Card Support	Yes	
Internal Memory Slot (One only)	Yes	
EXPANSION PORTS		
One 9-Pin Serial (16550 UART compliant)	Yes	
One 25-Pin Parallel (8 bit ECP)	Yes	
One 15-Pin RGB (SVGA video)	Yes	
One Serial Infrared port	Yes: IrDA 115.2Kbps compatible	
One (PS/2) 101 Keyboard/Mouse port	Yes	
One External Floppy Drive port	Yes	
Microphone (3.5mm mini jack, monoaural)	Yes	
Headphone (3.5mm mini jack, stereo)	Yes	
Line-in (3.5mm mini jack, stereo, 2V rms)	Yes	
Noteworthy security lock port	Yes	
NoteDock™ Port Replicator (Optional)		
Two Type III PC Card slots	Part# PA2711UX	
Supported Interfaces	Yes: each slot supports one card Serial, parallel, PS/2 keyboard, PS/2 mouse, AC in, SVGA monitor, lock slot , joystick/MIDI, audio line-in, line-out, headphone, microphone	
POWER		
INTERNAL Autosensing AC power supply		
Input (Voltage/Frequency)	Yes	
Output (Voltage/Amps)	100-240V; 50-60Hz	
Power Output (Watts)	15 VDC; 2.0A	
Battery Type: Li-Ion (10.8V, 3600mAH)	30W	
Battery Life: (Full Power/Low Power)	Yes: Part# PA2487UR	
Recharge Time (Computer Off/On)	4 hrs. (max)	
MaxTime® Power Management	2-3 hrs.(Off) /5-8 hrs.(On)	

². Holds two - 5mm PC Cards Type II or one - 10.5mm PC Card Type III.

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	Satellite Pro 420CDS	Satellite Pro 420CDT
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SOUND SYSTEM (All Models)		
Chipsets:	ESS Technologies ESS688 & Yamaha OPL3 (YMF262)	
16 bit stereo audio playback/record	Yes	
Half duplex function	Yes	
Sound formats supported:	SoundBlaster Pro™ 3.01, .WAV, MIDI, Zoomed video port audio (stereo), CardBus audio (monaural), CD-ROM audio	
DirectSound support	Yes: with Windows 95 Game SDK driver from Microsoft	
Built-in Microphone	Yes	
Koss Stereo Headset	Included	
Speaker system:	Single front-mounted speaker with volume control	
DIMENSIONS		
	11.78"W x 9.25"D x 2.2"H	
WEIGHT (includes 1.32 lbs. battery)		
	7.1 LBS.	
BUNDLED SOFTWARE (All Models)		
	<i>User selectable</i> Windows 95 <i>or</i> Windows for Workgroups 3.11 and MS-DOS 6.22® w/Special Enhancements; Intel Indeo Video™; Sony Screeners™; Mediamatics Arcade Player, magiCDisc™, Puma TranXit (Infrared software), System Soft™ Card & Socket Services ESS Sound System, Maxtime, Fn-esse™, Hypertext online documentation	
SECURITY (All Models)		
	Lock slot, power-on & HDD password, screen blank, keyboard lock	
WARRANTY		
	3 YR Parts & Labor	
ENVIRONMENTAL SPECIFICATIONS		
Temperature:	Operating	41°F (5°C) to 95°F (35°C)
	Non-operating	-4°F (-20°C) to 149° (65°C)
	Thermal Gradient	20° C per hour (max.)
Relative Humidity:	Operating	20% to 80% non-condensing
	Non-operating	10% to 90% non-condensing
Altitude:	Operating	-197 to 9,843ft. (-60 to 3000m)
	Non-operating	-197 to 32,808ft. (-60 to 10,000m)
Shock:	Operating	10G; 1.5G w/CD-ROM installed
	Non-operating	60G; 50G w/CD-ROM installed
Vibration:	Operating	0.5G; 0.25G w/CD-ROM installed
	Non-operating	1G; 1G w/CD-ROM installed