

# Satellite Pro 430CDS/430CDT Product Specifications

	Satellite Pro 430CDS 1.35 Billion Bytes: PA1230U-S2C	Satellite Pro 430CDT 1.35 Billion Bytes: PA1230U-T2C
<b>PROCESSOR</b>		
Intel Pentium® 120Mhz (2.9v/3.3v) w/VRT	Yes	Yes
External data bus width	64 bit	64 bit
External data/address bus speed	66 MHz	66 MHz
Integrated Coprocessor	Yes	Yes
Processor Cache	16KB: (8KB code; 8KB data)	16KB: (8KB code; 8KB data)
<b>MEMORY: 16Mbit EDO DRAM, 3.3V</b>		
Standard	16 MB	16 MB
Maximum	48 MB	48 MB
Speed	60ns	60ns
Hyper Page mode memory access	Yes	Yes
Data width	64 bit	64 bit
BIOS (128KB FLASH EPROM, 150ns, 5V)	Yes	Yes
PnP 1.0a SUPPORT	Yes	Yes
<b>DISPLAY</b>		
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)
<b>VIDEO</b>		
Memory: 4Mbit EDO DRAM, 5V	2 MB	2 MB
Speed	50ns	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
Hardware Cursor	Yes	Yes
DirectDraw	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
<b>KEYBOARD</b>		
82 keys, 3mm Travel	Yes	Yes
12 dedicated function keys	Yes	Yes
Cursor control (8 Keys, Inverted "T")	Yes	Yes
Numeric keypad (Integrated Overlay)	Yes	Yes
<b>Integrated Pointing Device</b>	AccuPoint™	AccuPoint™

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<b>STORAGE</b>		
HDD (2.5" Enhanced IDE)	1.35 billion bytes=1.26GB (13msec)	1.35 billion bytes=1.26GB (13msec)
<b>SELECT BAY DEVICES</b>		
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
<b>Modular CD-ROM: Toshiba XM-1502B</b>		
5.25" 10x Average speed	<i>Installed/Swappable with FDD</i>	<i>Installed/Swappable with FDD</i>
Interface	.ATAPI (Enhanced IDE)	.ATAPI (Enhanced IDE)
Random Access Time	180ms	180 ms
Sustained Transfer Rate	1500 KB/sec	1500 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)	
<b>EXPANSION SLOTS</b>		
Two Stacked PC Card Slot <sup>2</sup>	Yes: ZV Card Ready	Yes: ZV Card Ready
16-bit, 5.0V PC Card Support	Yes	Yes
Internal Memory Slot (One only)	Yes	Yes
<b>EXPANSION PORTS</b>		
One 9-Pin Serial (16550 UART compliant)	Yes	Yes
One 25-Pin Parallel (8 bit ECP)	Yes	Yes
One 15-Pin RGB (SVGA video)	Yes	Yes
One Serial Infrared port	Yes: IrDA 115.2Kbps compatible	Yes: IrDA 115.2Kbps compatible
One (PS/2) 101 Keyboard/Mouse port	Yes	Yes
One External Floppy Drive port	Yes	Yes
Microphone (3.5mm mini jack, monaural)	Yes	Yes
Headphone (3.5mm mini jack, stereo)	Yes	Yes
Line-in (3.5mm mini jack, stereo, 2V rms)	Yes	Yes
Noteworthy security lock port	Yes	Yes
<b>NoteDock™ Port Replicator (Optional)</b>		
Two Type III CardBus ready 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	
<b>POWER</b>		
<b>INTERNAL Autosensing AC power supply</b>	Yes	Yes
Input (Voltage/Frequency)	100-240V; 50-60Hz	100-240V; 50-60Hz
Output (Voltage/Amps)	15 VDC; 2.0A	15 VDC; 2.0A
Power Output (Watts)	30W	30W
Battery Type: Li-Ion (10.8V, 3600mAH)	Yes: Part# PA2487UR	Yes: Part# PA2487UR
Battery Life: (Full Power/Low Power)	3.5/4 hrs.	3.5/4 hrs.
Recharge Time (Computer Off/On)	2-3 hrs.(Off) /5-8 hrs.(On)	2-3 hrs.(Off) /5-8 hrs.(On)
MaxTime® Power Management	Yes	Yes

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

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	Satellite Pro 430CDS 1.35 Billion Bytes: PA1230U-S2C	Satellite Pro 430CDT 1.35 Billion Bytes: PA1230U-T2C
<b>SOUND SYSTEM (All Models)</b>		
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	Not included	
Speaker system:	Single front-mounted speaker with volume control	
<b>DIMENSIONS</b>		
	11.78"W x 9.25"D x 2.2"H	11.78"W x 9.25"D x 2.2"H
<b>WEIGHT (includes 1.32 lbs. Battery)</b>		
	7.4 LBS.	7.4 LBS.
<b>BUNDLED SOFTWARE (All Models)<sup>3</sup></b>		
<i>Windows 95 Only on 435CDS</i>	User selectable Windows 95 or 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	
<b>SECURITY (All Models)</b>		
	Lock slot, power-on & HDD password, screen blank, keyboard lock	
<b>WARRANTY<sup>3</sup></b>		
	3 YR Parts & Labor	3 YR Parts & Labor
<b>ENVIRONMENTAL SPECIFICATIONS</b>		
	<u>Operating</u>	<u>Non-operating</u>
Temperature:	41°F (5°C) to 95°F (35°C)	-4°F (-20°C) to 149° (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

3. The Satellite Pro 435CDS (PA1230U-S6C) is the retail equivalent of the Satellite Pro 430CDS (PA1230U-S2C), but comes with a **1 Year Warranty** and the following extra software: Microsoft Works, Microsoft Money, Microsoft Schedule Plus, and Microsoft Golf.