

SATELLITE PRO 460CDX/CDT Product Specifications

460CDX: 2.02 GB: PA1251U-H2C

460CDT: 2.02 GB: PA1251U-T2C

PROCESSOR

Intel Pentium® 166Mhz (2.45v/3.3v) w/MMX	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	32KB: (16KB code; 16KB data)	32KB: (16KB code; 16KB data)

LEVEL 2 (L2) CACHE

	Yes: 256KB	Yes: 256KB
Data Bus Width	64 bit	64 bit
Data Bus Speed	66 MHz	66 MHz
DATA RAM:	Yes	Yes
1 Mbit Pipelined Burst Synchronous SRAM	(32K x 32bit, 3.3V) x 2	(32K x 32bit, 3.3V) x 2
Access Time	8 ns	8 ns

SYSTEM ARCHITECTURE (All models)

PCI BUS (v.2.1): (32-bit, 33 MHz)	Connecting Devices: PC Card Slots, Expansion Bus, Graphics Controller, Modem DSP
ISA BUS: 16-bit, 7.5 MHz	Connecting Devices: BIOS, FDD, HDD, CD-ROM, Sound chip, KBC

MEMORY: 64Mbit EDO DRAM, 3.3V

Standard	32 MB	32 MB
Maximum	160 MB	160 MB
Speed	60ns	60ns
Hyper Page mode memory access	Yes	Yes
Data Bus width	64 bit	64 bit
Local Bus Clock Speed	66 MHz	66 MHz
BIOS (2 Mbit FLASH EPROM)	Yes: supports APM (v.1.2); VESA (v2.0); DPMS, DCC2, DMI (through Win95); PCI	
PnP 1.0a SUPPORT	Yes	Yes

DISPLAY

Type	Fast Scan Color	TFT Active Matrix Color
Size	12.1" Diagonal	12.1" Diagonal
Dot Pitch	.30mm x .30mm	.30mm x .30mm
Contrast Ratio	40:1 (avg)	100:1 (min)

VIDEO

Memory: 4Mbit EDO DRAM, 3.3V	2 MB	2 MB
Speed	50ns	50ns
Hyper Page mode support	Yes	Yes
Controller Chip	C&T F65554	C&T F65554
Data Bus Width	64-bit	64-bit
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz	Yes: 32-bit, 33 MHz
Graphics Accelerator:	Yes with 64-bit BitBLT support	Yes with 64-bit BitBLT support
DirectDraw, Direct3D, H/W Cursor	Yes	Yes
Digital Video Accelerator:	Yes	Yes
YUV-to-RGB color space conversion	Yes	Yes
Scaling	Yes	Yes
Zoomed Video Port Support	Yes	Yes
Interpolation	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 Support		
Default	800 x 600 x 256K colors	800 x 600 x 16.7M colors
Smaller Image	640 x 480 x 256K colors	640 x 480 x 16.7M colors
Virtual Display Mode	1024 x 768 x 64K colors	1024 x 768 x 64K colors
Virtual Display Mode	1280 x 1024 x 256 colors	1280 x 1024 x 256 colors
External Support	<u>Colors/Palette</u>	<u>Colors/Palette</u>
640 x 480	16.7M colors	16.7M colors colors
800 x 600	16.7M colors	16.7M colors colors
1024 x 768	64K colors	64K colors
1280 x 1024	256 colors	256 colors
Refresh Rate @ 1024x768/ 64k colors Non-Interlaced	Vert.: 60Hz (Refresh Rate @ 800x600/64K colors Non-Interlaced : Vert.: 85 Hz)	

SATELLITE PRO 460CDX/CDT Product Specifications

	460CDX: 2.02 GB: PA1251U-H2C	460CDT: 2.02 GB: PA1251U-T2C
STORAGE		
Removable HDD (2.5" Enhanced IDE)	2.1 billion bytes=2.02 GB (12-14msec)	2.1 billion bytes=2.02 GB (12-14msec)
SELECT BAY DEVICES (All models)		
Second Battery		
Battery Type	<i>Optional: Part# PA2451UR (Includes battery adapter)</i> Li-Ion (10.8V, 3400mAH)	
Modular FDD (3.5" 1.44MB)		
FDD Dimensions & Weight	4.57"L x 3.8"W x .59"H -- Weight: .29 lbs	
Simultaneous FDD & CD-ROM Support ³	Yes: External FDD adapter included	
FDD Adapter Dimensions/ Weight	7.0"L x 5.5"W --- Weight: .25 lbs	
Modular HDD (2.5" Enhanced IDE)		
Capacity	<i>Optional/Swappable with FDD</i> 2.1 billion bytes=2.02 GB (13msec)	
Modular CD-ROM: Toshiba XM-1502B		
5.25" 10x-Average speed	<i>Installed/Swappable with FDD</i>	
Weight	.6 lbs	
Interface	.ATAPI (Enhanced IDE)	
Random Access Time	150 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		
84/86 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
Integrated Pointing Device		
	AccuPoint™	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)		
One RJ-11 port for internal modem (supplied)	Yes	
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 ports (Back only)	Yes: IrDA 1.1:4Mbps compatible	
One (PS/2) 101 Keyboard/Mouse port	Yes: "Y"connector supported	
One External Floppy Drive port	Yes	
Universal Serial Bus (USB) port	Yes: Supports 127devices. 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	
INTERNAL MODEM		
	<i>Optional on 460CDX model</i>	<i>Standard on 465CDX & 460CDT</i>
DAA support	(Cellular Ready) 33.6 /14.4 Kbps Data/Fax/Voice modem w/V.80 support for Video Conferencing US/Canada and Australia	
Data support	Protocols supported Bell-103/212A, CCITT-V.21/V.22, V.32, V.32bis, V.34, V.80	
	Error correction MNP 1-4	
	Data compression MNP 5, CCITT V.42 bis	
Fax support	Fax class 1	
	Protocols supported V.21 ch2, V.27 ter, V.29, V.17	
Supported Functions	Speaker phone, Telephony Answering Machine, Ring Wake-up Resume Incoming Call Discrimination, Caller ID	

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NoteDock III™ Port Replicator (Optional)

(2) Type III PCI/CardBus ready PC Card slots
Supported Interfaces

Part# PA2717U

Yes: each slot supports one card
Serial, USB, parallel, PS/2 keyboard, PS/2 mouse, DC in, SVGA port,
lock slot, joystick/MIDI, audio line-in, line-out, headphone, microphone

POWER (All models)

Autosensing External AC Adapter

Input (Voltage/Frequency)

5.51”L x 2.95”W x .98” --- .75 lbs.

Output (Voltage/Amps)

100-240V; 50-60Hz

Power Output (Watts)

15 VDC; 3A (max)

Battery Type: Li-Ion (10.8V, 3600mAH)

45W

Battery Life: (One battery/Two batteries)

Yes (one standard): Part# PA2487UR

Recharge Time (Computer Off/On)

2+ hrs./5-6 hrs.

MaxTime® Power Management

2-3 hrs.(Off) /4-10 hrs.(On) --- (per one battery pack)

Yes

SOUND SYSTEM (All models)

Chipsets:

Yamaha OPL3-SA3

16 bit stereo audio playback/record

Yes

Maximum Sampling Rate

48kHz

FM Synthesis support

Yes

Full duplex function

Yes

Sound formats supported:

SoundBlaster Pro™, .WAV, MIDI, 3D Sound Support

3D Sound Support

Yes

DirectSound/Direct3Dsound support

Yes: with Windows 95 Game SDK driver from Microsoft

Speaker system

Two top-mounted stereo speakers (28mm, 8 Ω)

DIMENSIONS (All models)

11.95”W x 9.4”D x 2”H

WEIGHT (All models)

6.9 lbs. (includes .86 lbs. battery)

BUNDLED SOFTWARE¹ (All models)

**Windows 95 ONLY
on 465CDX**

User selectable Windows®95 or Windows® for Workgroups 3.11 & MS-DOS 6.22®
America Online®; CompuServe®; Runtime Video for Windows; Intel Indeo Video™;
Sony Music Screeners™ Screen Savers & Games; Mediamatics Arcade Pak™,
magiCDisc™, SystemSoft Cardsoft, Puma Tranxite IR Software, Fn-esse™,
Online documentation ; Online Registration Program

SECURITY

Lock slot, power-on & HDD password (both drives), screen blank, keyboard lock

WARRANTY¹ (460CDX/CDT only)

3 YR Parts / 1 YR. Labor

ENVIRONMENTAL SPECIFICATIONS: (All models)

	<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.)	--	--
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

¹: The Satellite Pro 465CDX (Part# PA1251U-H6C) is the Retail equivalent of the Satellite 460CDX, but comes with a **1 Year Parts & 1 Year Labor Warranty** and the following additional Windows 95 software: Microsoft Works, Microsoft Outlook, Microsoft Money, Microsoft Golf, Microsoft Encarta 97, and Quicken SE.