

TECRA 530CDT Product Specifications

530CDT:2.02 Gigabytes: PA1247U-T2A

PROCESSOR

Intel Pentium® 166Mhz (2.5v/3.3v) w/MMX	Yes
External data bus width	64 bit
External data/address bus speed	66.6 MHz
Integrated Coprocessor	Yes
Processor Cache	32KB: (16KB code; 16KB data)

LEVEL 2 (L2) CACHE

Data Bus Width	64 bit
Data Bus Speed	66.6 MHz
DATA RAM:	Yes

1 Mbit Pipelined Burst Synchronous SRAM	(32K x 32bit, 3.3V) x 2
Access Time	8 ns

SYSTEM ARCHITECTURE

PCI BUS (v.2.1): (32-bit, 33 MHz)	Connecting Devices: PC Card Slots, Expansion Bus, Graphics Controller
ISA BUS: 16-bit, 8 MHz	Connecting Devices: BIOS, FDD, HDD, CD-ROM, RTC, KBC

MEMORY: 64Mbit EDO DRAM, 3.3V

Standard/Maximum	32 MB/160MB
Speed	60ns
Hyper Page mode memory access	Yes
Data width	64 bit
Local Bus Clock Speed	66.6 MHz

BIOS (2Mbit FLASH EPROM, 120ns)	Yes: supports APM (v.1.2); VESA (v2.0); DPMS, DCC2, DMI (through Win95); PCI
PnP 1.0a SUPPORT	Yes

DISPLAY

Type	TFT Active Matrix Color
Size	12.1" Diagonal
Dot Pitch	.30mm x .30mm
Contrast Ratio	100:1

VIDEO

Memory: 4Mbit EDO DRAM, 3V	2 MB
Speed	50ns
Hyper Page mode support	Yes
Controller Chip	C&T B65555
Data Bus Width	64-bit
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz
Graphics Accelerator:	Yes with 64-bit BitBLT support
DirectDraw, Direct3D, H/W Cursor	Yes
Digital Video Accelerator:	Yes
YUV-to-RGB color space conversion	Yes
Scaling	Yes
Zoomed Video Port Support	Yes
Interpolation	Yes
DirectVideo support	Yes:w/Game SDK driver fr/Microsoft
Color Palette	16.7M colors
Internal Resolution	1024 x 768 x 64K/64K colors
Smaller Image	640 x 480 x 64K/64K colors
Smaller Image	800 x 600 x 64K/64K colors
Virtual Display Mode	N/A
	1280 x 1024 x 256/64K colors
External Resolution	
640 x 480	16.7M colors/16.7M colors
800 x 600	16.7M colors/16.7M colors
1024 x 768	64K colors/64K
1280 x 1024	256 colors/256K
Refresh Rate @ 1024x768/ 64k colors Non-Interlaced	60Hz Vertical

Colors/Palette

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STORAGE

Removeable HDD (2.5" Enhanced IDE) 2.168 billion bytes=2.02 GB (13msec)

SELECT BAY DEVICES

Second Battery

Battery Type

Optional: Part# PA2451UR (Includes battery adapter)

Li-Ion (10.8V, 3600mAH)

Modular FDD (3.5" 1.44MB)

FDD Dimensions

Included/Swappable with CD-ROM

FDD Weight

4.57"L x 3.8"W x .59"H

Weight: .29 lbs

Simultaneous FDD & CD-ROM Support

FDD Adapter Dimensions

Yes: External FDD adapter included

FDD Adapter Weight

7.0"L x 5.5"W

.25 lbs

Modular HDD (2.5" Enhanced IDE)

Capacity

Optional/Swappable with FDD

2.1 billion bytes=2.02 GB (13msec)

Modular CD-ROM: Toshiba XM-1502B

5.25" 10x-Average speed

Installed/Swappable with FDD

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, Keyboard Tilt Yes

12 dedicated function keys 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

EXPANSION PORTS

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

One Fast Infrared port Yes: IrDA 1.1:4Mbps compatible

One (PS/2) 101 Keyboard/Mouse port Yes: "Y"connector supported

One External Floppy Drive port Yes

One Universal Serial Bus (USB) port Yes: Supports 127devices. Throughput Rate: 12Mbits/sec.

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

INTERNAL MODEM (Cellular Ready)

33.6 /14.4 Kbps Data/Fax/Voice modem **w/V.80 support for Video Conferencing**

DAA Support

US/Canada and Euro/Asia

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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Desk Station V Plus (Optional)	Part# PA2710U	
(2) Full length 32-bit PCI/16-bit ISA slots	Yes	
(1) Half Length 32-bit PCI slot	Yes	
(2) Type III PC Card slots	Yes	
Built-in SCSI II	Yes	
5.25" half height drive bay	Yes	
Select Bay for Modular FDD, HDD, CD-ROM	Yes ¹	
Designed for Windows 95 and PNP	Yes	
Hot Docking Support	Yes	
NoteDock II™ Port Replicator (Optional)	Part# PA2713U	
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, lock slot , joystick/MIDI, audio line-in, line-out, headphone, microphone	
POWER		
Autosensing External AC Adapter	Yes: 4.90"L x 2.46"W x .97"D --- .66 lbs.	
Input (Voltage/Frequency)	100-240V; 50-60Hz	
Output (Voltage/Amps)	15 VDC; 3A (max)	
Power Output (Watts)	45W	
Battery Type: Li-Ion (10.8V, 3600mAH)	Yes: Part# PA2448UR	
Battery Life: (Full power/Low power)	One battery: 2 hrs./2.5 hrs. (max); Two Batteries: 4hrs./5hrs. (max)	
Recharge Time (Computer Off/On)	3.5 hrs.(Off) /4.5-11 hrs.(On) --- (per one battery pack)	
MaxTime® Power Management	Yes	
SOUND SYSTEM		
Chipsets:	Yamaha OPL3-SA3	
16 bit stereo audio playback/record	Yes	
Maximum Sampling Rate	48 kHz	
FM Synthesis support	Yes	
Full duplex function	Yes	
Sound formats supported:	SoundBlaster Pro™, .WAV, MIDI, Zoomed video port audio (stereo),	
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	11.69"W x 9.09"D x 1.85"H	
WEIGHT (includes .86 lbs. battery)	6.38 lbs.	
BUNDLED SOFTWARE		
Windows®95, Synchro Multimedia Connect, Mediamatics MPEG ARCADE Pak, Puma Tranxite IR Software, MagicDisk, Netscape Personal Edition, Fn-esse™, Electronic manual		
OS Recovery CD; Windows 95 Companion Disk; Backup CD		
SECURITY	Miscellaneous	Screen blank (by Hotkey)
	Lock mechanisms	PC Card, keyboard (by Hotkey), Noteworthy cable lock
	Password security	Power-on, supervisor, HDD, Undock (from DeskStation V Plus)
WARRANTY	3 YR Parts & Labor	
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

1. The slimline CD-ROM, standard with 520/530CDT, is not compatible with the Deskstation V Plus. CD-ROM use in the Desk Station requires the purchase of CD-ROM Select Bay Adapter (PA2618U).