

TECRA 720CDT Product Specifications

		720CDT
		1.2 Billion Bytes: PA1219U-T2C
PROCESSOR		
Intel Pentium® 133Mhz (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)	
LEVEL 2 (L2) CACHE		
Data Bus Width	64 bit	
Data Bus Speed	66 MHz	
DATA RAM:	Yes	
1 Mbit Pipelined Burst Synchronous SRAM	(32K x 32bit, 3.3V) x 2	
Access Time	8 ns	
TAG-RAM:	Yes	
256Kbit Asynchronous SRAM	(32K x 8bit, 3.3V) x 1	
Access Time	14ns	
PCI BUS SYSTEM ARCHITECTURE		
Yes: 32-bit, 33 MHz		
MEMORY: 16Mbit EDO DRAM, 3.3V		
Standard	16 MB	
Maximum	144 MB	
Speed	60ns	
Hyper Page mode memory access	Yes	
Data width	64 bit	
BIOS (256KB FLASH EPROM, 150ns, 5V)	Yes	
PnP 1.0a SUPPORT	Yes	
DISPLAY		
Type	TFT Active Matrix Color	
Size	12.1" (9.68"W x 7.26"H)	
Dot Pitch	.24mm x .24mm	
Contrast Ratio	100:1 (min)	
VIDEO		
VRAM: 4Mbit EDO DRAM, 5V	2 MB	
Speed	50ns	
Hyper Page mode support	Yes	
Controller Chip	C&T HIQV32 (CT65550)	
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz	
Graphics Accelerator:	Yes	
64-bit BitBLT, LINEdraw, H/W Cursor	Yes	
Video Accelerator:	Yes	
YUV-to-RGB color space conversion	Yes	
Scaling Support	Yes	
Zoomed Video Port Support	Yes	
DirectVideo support	Yes:w/Game SDK driver fr/Microsoft	
Color Palette	16.7M colors	
Internal Resolution ¹	1024 x 768 x 64K/64K colors	
Virtual Display Mode	640 x 480 x 64K/64K colors	
	800 x 600 x 64K/64K colors	
	N/A	
	1280 x 1024 x 256/256K colors	
External Resolution	<u>Colors/Palette</u>	
	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 (taken.@ 1024x768 Non-Interlaced)	Vert.: 75Hz; Hor.: 60kHz	

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720CDT (con.)

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STORAGE

Removeable HDD (2.5" Enhanced IDE)	1.2 billion bytes=1.13GB (13msec)
Modular FDD (3.5" 1.44MB)	Included/Swappable with CD-ROM
FDD Dimensions	4.57"L x 3.8"W x .59"H
FDD Weight	Weight: .29 lbs
Simultaneous FDD & CD-ROM Support	Yes: External FDD adapter included
FDD Adapter Dimensions	7.0"L x 5.5"W
FDD Adapter Weight	.25 lbs

Modular CD-ROM: Toshiba XM-1402B

5.25" 6x-speed	Installed/Swappable with FDD
Interface	.ATAPI (Enhanced IDE)
Random Access Time	190 ms
Sustained Transfer Rate	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)

KEYBOARD

3mm Travel	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 Slot ²	Yes: CardBus & ZV Card Ready
32-bit, 3.3V PC CardBus Support	Yes
16-bit, 5.0V PC Card Support	Yes
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
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
Line-out (3.5mm mini jack, stereo, 0.7V rms)	Yes
Noteworthy security lock port	Yes

INTERNAL MODEM (All Models)

28.8 /14.4 Kbps Data/Fax modem

Data support	
Protocols supported	Bell-103/212A, CCITT-V.21/V.22, V.32, V.32bis, V.34
Error correction	MNP 1-4
Data compression	MNP 5, CCITT V.42 bis
Fax support	
Protocols supported	V.21 ch2, V.27 ter, V.29, V.17
Fax class	1
Supported Functions	Speaker phone, Telephony Answering Machine, Ring Wake-up Resume Incoming Call Discrimination, Caller ID

NoteDock II™ Port Replicator (Optional)

Part# PA2713U (for use with Tecra 710CDT or 720CDT only)

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

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

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		720CDT (con.)
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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 or CD-ROM		Yes
Designed for Windows 95 and PNP		Yes
Hot Docking Support		Yes
POWER		
Autosensing External AC Adapter: NW2484U		7.0"L x 2.95"W x .98" --- .75 lbs.
Input (Voltage/Frequency)		100-240V; 50-60Hz
Output (Voltage/Amps)		15 VDC; 2.7A (max)
Power Output (Watts)		40W
Battery Type: Li-Ion (10.8V, 5600mAH)		Yes: Part# PA2485UR
Battery Life: (Full Power/Low Power)		4 hrs. (max)
Recharge Time (Computer Off/On)		4 hrs.(Off) /4.5-10.5 hrs.(On)
MaxTime® Power Management		Yes
SOUND SYSTEM (All Models)		
Chipsets:		Crystal Semiconductor CS4232, Yamaha OPL3 (YMF262), Yamaha D/A converter (YAC512)
16 bit stereo audio playback/record		Yes
Full duplex function		Yes
Sound formats supported:		SoundBlaster Pro™, .WAV, MIDI, Zoomed video port audio (stereo), CardBus audio (monaural), CD-ROM audio
DirectSound support		Yes: with Windows 95 Game SDK driver from Microsoft
Speaker system:		Two top-mounted stereo speakers (28mm, 8 Ω)
DIMENSIONS		11.8"W x 9.1"D x 2.3"H
WEIGHT (includes 1.32 lbs. battery)		< 8.0 LBS.
BUNDLED SOFTWARE (All Models)		User selectable Windows 95 or Windows for Workgroups 3.11 and MS-DOS 6.22® w/Special Enhancements; Intel Indeo Video™; Synchro multimedia connect Communications utilities; Sony Music Screeners™; Mediamatics MPEG Arcade Player, America Online™, CompuServe®, Netscape Navigator™, magiCDisc™, Personal Journal, 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 95% 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

Note: The Tecra 710CDT (Part# PA1214U-T2A) differs from the Tecra 720CDT only in internal screen resolution. The 710CDT has an internal display resolution of 800 x 600 x 16.7M/16.7M colors through dithering.