

TECRA 730XCDT Product Specifications

730XCDT 2.1 Billion Bytes: PA1238U-T2C

PROCESSOR

Intel Pentium® 150Mhz (3.1v/3.3v) w/MMX	Yes
External data bus width	64 bit
External data/address bus speed	60 MHz
Integrated Coprocessor	Yes
Processor Cache	32KB: (16KB code; 16KB data)

LEVEL 2 (L2) CACHE

Data Bus Width	64 bit
Data Bus Speed	60 MHz

DATA RAM:

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

TAG-RAM:

256Kbit Asynchronous SRAM	(32K x 8bit, 3.3V) x 1
Access Time	14ns

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, CD-ROM, FDD, HDD, KBC, Sound chip

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, 120ns, 5V)	Yes
PnP 1.0a SUPPORT	Yes

DISPLAY

Type	12.1"Diagonal TFT Active Matrix Color
Dot Pitch	.24mm x .24mm
Contrast Ratio	100:1 (min)

VIDEO

Memory: 4Mbit EDO DRAM, 5V	2 MB
Speed	50ns w/ Hyper-page mode support
Controller Chip	C&T HIQV32 (CT65550) w/64-bit Data Bus Width
PCI Bus Architecture w/burst mode	Yes: 32-bit, 30 MHz
Graphics Accelerator:	Yes: Supports 64-bit BitBLT, DirectDraw, H/W Cursor
Digital Video Accelerator:	Yes
YUV-to-RGB color space conversion	Yes
Zoomed Video Port Support	Yes (vertical & horizontal)
Interpolation	Yes (vertical & horizontal)
DirectVideo support	Yes:w/Game SDK driver fr/Microsoft
Color Palette	16.7M colors
Internal Resolution ¹	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	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	Vert.: 60Hz; Hor.: 48.5kHz (taken.@ 1024x768/64K colors Non-Interlaced)

TECRA 730XCDT Product Specifications

730XCDT 2.1 Billion Bytes: PA1238U-T2C (con.)

STORAGE

Removeable HDD (2.5" Enhanced IDE) 2.1 Billion Bytes=2.02GB (13msec)

SELECT BAY DEVICES

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 HDD (2.5" Enhanced IDE) *Optional/For use in SelectBay only*

Capacity 2.1 billion bytes=2.02GB (13msec)

Modular CD-ROM: Toshiba XM-1402B

5.25" 10x-Average speed *Installed/ For use in SelectBay only*

Weight .6 lbs

Interface .ATAPI (Enhanced IDE)

Random Access Time 180 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

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™

EXPANSION SLOTS

Two Stacked PC Card Slot² 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 (back only) 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: (16 Ω min)

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

SOUND SYSTEM

Chipsets: Crystal Semiconductor CS4232, Yamaha OPL3 (YMF262),

Synthesis policy FM synthesis

16 bit stereo audio playback/record Yes: w/48kHz maximum sampling rate

Full duplex function Yes

Sound formats supported: SoundBlaster Pro™, .WAV, MIDI, Zoomed video port audio (stereo),
CardBus audio (monoaural), CD-ROM audio

DirectSound support Yes: with Windows 95 Game SDK driver from Microsoft

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

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

TECRA 730XCDT Product Specifications

730XCDT 2.1 Billion Bytes: PA1238U-T2C (con.)

INTERNAL MODEM	28.8 /14.4 Kbps Voice/Data/Fax modem
DAA support	US/Canada and Euro/Australia
Data support	
Protocols supported	Bell-103/212A, CCITT-V.21/V.22, V.22bis, V.23, VV.32, V.32bis, V.32 terbo, V.34
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
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
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	
<i>Autosensing External AC Adapter: NW2484U</i>	5.51"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 (Note: Different form factor from 740CDT)
Battery Life: (Full Power/Low Power)	3.0 hrs. max
Recharge Time (Computer Off/On)	4 hrs.(Off) /4.5-11 hrs.(On)
MaxTime® Power Management	Yes
DIMENSIONS	11.7"W x 9.0"D x 2.4"H
WEIGHT (includes 1.32 lbs. battery)	7.75 lbs.
BUNDLED SOFTWARE	
<i>User selectable</i> Windows 95 or Windows for Workgroups 3.11 & MS-DOS 6.22®; Intel Indeo Video™; Runtime Video for Windows Synchro multimedia connect™ Communications utilities; Sony Music Screeners™; Mediamatics Arcade Pak™; America Online® Compuserve®; Netscape Navigator™; Puma TranXit; Toshiba utilities: Maxtime®, magiCDisc™, Fn-esse™, online documentation	
SECURITY	Lock slot, Password:power-on, supervisor, HDD, Docking station eject
WARRANTY	3 YR Parts & Labor (battery 1 year)
ENVIRONMENTAL SPECIFICATIONS	
Temperature:	
Operating	41°F (5°C) to 95°F (35°C)
Non-operating	-4°F (-20°C) to 149°F (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