

INFINIA ~~7160~~ Product Specifications

Infinia 7220

4.0 Billion Byte (=3.73GB): PV1201U-06A

PROCESSOR

Intel Pentium® 200Mhz (3.3v) w/VRT	Yes
MMX Technology	Yes
External data bus width	64-bit
External data/address bus speed	66MHz
Integrated Coprocessor	Yes
Processor Cache	32KB: (16KB code; 16KB data)
Socket: (321-pin Socket 7 ZIF)	Yes

LEVEL 2 (L2) CACHE

Data Bus Width/Address Bus Width	64-bit/32-bit
Local Clock Bus Speed	66 MHz

DATA RAM:

(2) 32k x 32 Pipeline Burst SRAM	Yes
Access time	8 nsec

SYSTEM ARCHITECTURE

PCI BUS (V2.1): (32-bit, 33mhz)	Connecting devices: Video, PCI card slots
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MEMORY: EDO DRAM

Standard	8MB x 8-bits or 2MB x 32-bits SIMM
Maximum	32 MB: (8MB x 8-bits or 2MB x 32-bits SIMM)
Speed	128 MB
Parity	60ns
Hyper Page mode memory access	No parity
Data bus width/Local clock bus speed	Yes
Socket	64 bit/66 MHz
Type:	(4) 72-pin SIMM sockets
Socket data width	64/72 bit
Support: Single or Double sided	1M x 32 (4MB), 2M x 32 (8MB), 4M x 32 (16MB), 8M x 32 (32MB)

BIOS (256KB FLASH EPROM,)

PnP 1.0a SUPPORT	Yes
Advanced Power Management 1.2 Support	Yes
EPA energy Star Compliant	Yes

VIDEO

Video Memory: 4Mbit EDO DRAM (5V)	2 MB
Speed	40ns
PCI Bus Architecture w/burst mode	Yes: 33 MHz Bus Clock Speed
VESA Feature connector	Yes: Supports 34-pin or 26-pin VESA feature connector
Controller Chip	S3 Virge DX Video Controller
YUV to RGB conversion	Off-loads conversion from CPU for higher performance full motion video without compromising picture quality or frame rate.
2D/3D SVGA Graphics Support	Includes BitBLT, 64-bit graphics accelerator, Hardware Cursor, DirectDraw, Flat shading, Gourand shading, texture mapping
3D Features	
Texture mapping functions	
Perspective Correction	Yes
Bi-linear & tri-linear Filtering	Yes
Fast Linear Addressing	Maps display memory to CPU's upper memory to reduce software overhead
MIP mapping & Z-Buffering	Yes
Supported Resolutions	Colors/Palette Refresh Rate (Non-Interlaced)
640 x 480	16.7M colors/16.7M colors 75 Hz
800 x 600	16.7M colors/16.7M colors 75 Hz
1024 x 768	64K colors/64K colors 75 Hz
1280 x 1024	256 colors/256 colors 75 Hz

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STORAGE

HDD (3.5"Enhanced IDE)	4.0 Billion Byte (= 3.73 GB)
Access Time	15 msec read/17 msec write
FDD	3.5" Floppy Disk Drive
DVD-ROM: Toshiba ??????	8X- speed
Interface ??????	ATAPI (Enhanced IDE) w/256KB Buffer ?????
Storage space	?????
Random Access Time	?????
Sustained Transfer Rate	?????
Supported Disk Formats	??????

SOUND SYSTEM

Chipsets:	Yamaha OPL4-ML & OPL3-SA3 FM Synthesizer
Wave Table Synthesis	Yes: Yamaha OPL4-ML chipset
16 bit stereo audio playback/record	Yes: 48kHz Maximum sampling rate
Full duplex function	Yes: Supports simultaneous playback and capture, digital and analog mixing
SRS 3D Surround Sound Chip	Yes: Yamaha OPL3-SA3 chipset
Sound formats supported:	SoundBlaster Pro™, .WAV, MIDI, CD-ROM audio
Digital audio and analog mixing function	Yes
Speakers	Integrated with Monitor (See monitor page for details)

INTERNAL MODEM

	33.6 /14.4 Kbps Voice/Data/Fax modem
Data support	
Protocols supported	V.34, V.32bis, V.32, V.22bis, V.22, V.21, Bell 212A,103 and Bell 202 Rec.
Error correction	V.42 and MNP 2-4
Data compression	V.42bis and MNP 5
Fax support	
Protocols supported	ITU-T V.17, V.29, V.27ter.,V.21
Fax class	Class 1 and 2 fax interface 14,400 to 2400 bit/sed
Supported Functions	Speaker phone, Telephony Answering Machine, Ring Wake-up Resume Incoming Call Discrimination, Caller ID

EXPANSION SLOTS

Number of ISA Slots (Available/Total)	2/3
Number of PCI Slots (Available/Total)	2/3

EXPANSION BAY

Internal Bay	One open - One occupied with HDD
External 5.25" Bay	Two open - One occupied with 12X CD-ROM

EXTERNAL INTERFACES

	<i>All Ports are color coded for easy installation</i>
One RJ-11 port for internal modem (supplied)	Yes
One 9-Pin Serial (16550 UART compliant)	Yes
Two Universal Serial Bus ports ¹	One open - One occupied with Toshiba In-Touch Module 4
One 25-Pin Parallel (IEEE1284 compliant)	Yes: EPP compliant
One 15-Pin RGB (SVGA video)	Yes
One (PS/2) Mouse Port	Yes
One (PS/2) 101 Keyboard	Yes
Joystick/MIDI Port (15 pin D-sub)	Yes
Microphone (3.5mm mini jack, monaural)	Yes
Speaker-out (3.5mm mini jack, stereo)	Yes
Line-in (3.5mm mini jack, stereo, 2V rms)	Yes
AC IN (Standard 3 prong)	Yes

1. Both ports operate from a single controller allowing 128 devices total, not per port. The In-Touch Module should remain on its own port. Throughput for the Universal Serial Bus (UBS) is 12Mbits/sec.

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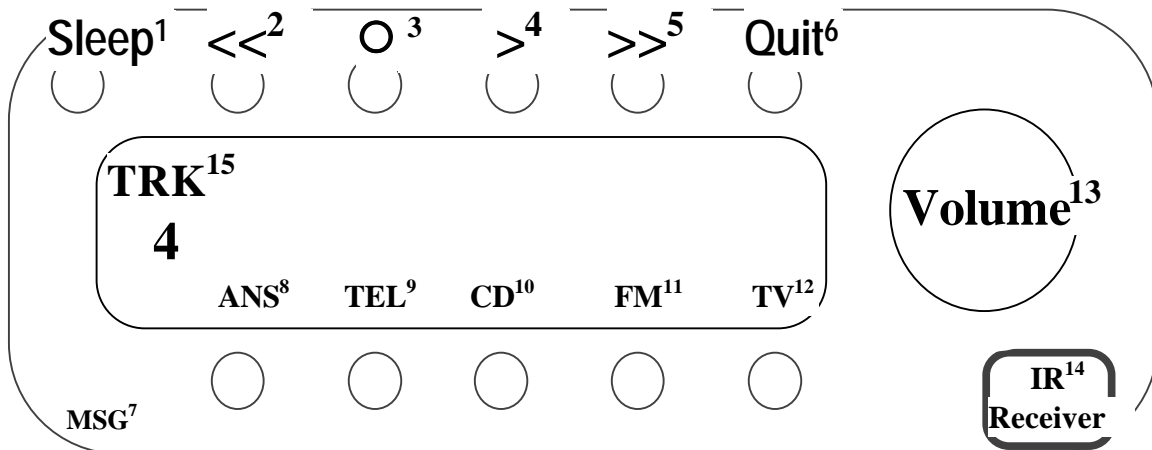
TOSHIBA IN-TOUCH MODULE 4 Centralized Control to various devices

Standard Functions

Speakerphone, Digital answering machine, CD-ROM

Sleep mode ¹	
Digital answering machine functions	See coded references below
Previous message ²	Replays last message (<i>Refers to track, station or channel in other modes</i>)
Delete message ³	Stop/Deletes current message
Play message ⁴	Play messages (<i>Refers to track, station or channel in other modes</i>)
Next message ⁵	Forward to next message (<i>Refers to track, station or channel in other modes</i>)
Quit ⁶	Deactivates digital answering machine or corresponding mode
Message indicator ⁷	Active when message present
Speakerphone mode ⁸	Activates speakerphone
Digital answering machine mode ⁹	Activates/deactivates phone answering machine
CD-ROM mode ¹⁰	Activates CD-ROM mode
FM mode ¹¹ (Standard unit is FM ready)	Activates FM tuner
TV mode ¹² (Standard unit is TV ready)	Activates TV tuner
Volume Control ¹³	Controls monitor speaker volume
IR Remote Ready Feature ¹⁴	Requires optional remote (DT-1002)
Multifunction LCD readout ¹⁵	Indicates messages number, track, station, or channel according to Mode
TV/FM Capture Card	Standard: Includes Remote
PCI 2.0 plug-and-play compliant	Yes: Includes PCI BUS board (Dimensions: 9" x 4.2")
TV Section:	
Video Quality	Live video: 4:2:2 YUV resolution
Video Processor & PCI BUS	Video decoding using Brooktree Bt848 chipset
TV tuner	Cable Ready, NTSC compatible
Stereo TV (Chipset: Phillips TEA5582)	Phase-locked loop stereo decoder for BTSC system
FM Radio (Chipset: Phillips OM5606)	Automatically decodes stereo and mono broadcasts
Video Input: Support 1 internal and 1 external video source	
Internal:	Yes: Composite video from on-board tuner
External:	Yes: Composite NTSC/PAL video from VCR/LD player
Audio In: Supports 4 internal and 1 external audio source	
Internal:	Line-in level for CD-ROM player TV audio from TV stereo decoder FM radio from radio receiver module Mono line-out telephony audio from system board
External:	Standard line in source

TOSHIBA IN-TOUCH MODULE 4



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KEYBOARD

104-key keyboard with the Windows 95 keys	Yes
3.8mm Travel	Yes
12 dedicated function keys	Yes
Numeric keypad	Yes

POINTING DEVICE

Microsoft for Toshiba PS/2 Mouse	Yes
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POWER SUPPLY(200Watts)

Input (Voltage/Frequency)	100-240V; 50-60Hz, Switch Selectable
Output Connectors	Five AMP 1480426-0 type (HDD, CD-ROM....) One AMP 171822-4 type (FDD) One Motherboard
Safety	UL recognized, CSA Certified, TUV approved UL/CSA listed AC Cable(115V) VDE/IEC Approved Type(220V/240V)

DIMENSIONS

8.11" x 16.22" x 19.29"

WEIGHT

29.04 LBS

BUNDLED SOFTWARE:

Maxis Sim City 2000 Ver.1.1; Diagsoft QA Plus 5.41; Prodigy 1.12; AT&T Worldnet; Compuserve®; America Online® 3.0; Rand McNally Tripmaker SE 1997 v.1.2 (upon registration); Investor Insight® (Intuit) 1.0; Intel INDEO Video 4.1; Netscape Navigator™ Personal Edition; Mediamatics Arcade Pak™ 2.0; Mediascape CD player; Prodigy® Internet™, MSN™

Microsoft Internet Explorer, Synchro Multimedia Home Connect™ 2.0; InTouch Video Phone (Receive Only)

CD's included:

Windows® 95; MS Works 4.0A; MS Plus Pack 1.0 CD; MS Golf 2.0 CD; MS Encarta Encyclopedia 1997 CD; Virgin-Charlie Brown -Get Ready for School 1.0 CD; Virgin Johnny Ques® 1.0 CD; IVI-Mayo Clinic 2.0 CD; Activision Mech Warrior 2 Ver.17 CD; Creative Wonders Family Album Creator 2.0 CD; Intuit Quicken SE 6.0 CD; Activision Shanghai® Great Moments CD

WARRANTY: 1 Yr. Parts & Labor (First 90 Days On-site); 7 x 24 phone support free during warranty period

ENVIRONMENTAL SPECIFICATIONS

Temperature:	Operating	50°F (10°C) to 95°F (35°C)
	Non-operating	-4°F (-20°C) to 149° (65°C)
Relative Humidity:	Operating	30% to 80% non-condensing
	Non-operating	10% to 90% non-condensing
Shock:	Operating	10G; 1.5G
	Non-operating	60G; 10G
Vibration:	Operating	0.3G
	Non-operating	0.6G
Acoustic Noise	Impulsive	55dB
	Non-Impulsive	45dB

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INFINIA OPTIONS AND PRICING

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>PRICE</u>
DT7130U	Infinia 7130 w/133 Mhz Pentium & 1.5GB HDD	\$1,299
DT7160U	Infinia 7160 w/166 Mhz Pentium & 1.9GB HDD	\$1,599
DT7200U	Infinia 7200 w/200 Mhz Pentium & 3.0GB HDD	\$2,199
PV7161-06A	Infinia 7161 w/166 Mhz Pentium w/MMX, 2.38GB HDD, & 12X CD-ROM	\$1,999
PV7201-06A	Infinia 7201 w/200 Mhz Pentium w/MMX, 3.0GB HDD & 12X CD-ROM	\$2,299
PV1201-06A	Infinia 7220 w/200 Mhz Pentium w/MMX, 3.73GB HDD & 8X DVD player	\$TBD
DA-1566M-01	15-inch autoscan monitor	\$449
DA-1766M-01	17-inch autoscan monitor w/sub-woofer	\$749
DT1001	TV/FM Radio Capture Card (with In-Touch Remote) -- <i>Standard on 72xx models</i>	\$199
DT1002	In-Touch Remote -- <i>Standard on Infinia 72xx models</i>	\$29
DT1003	LCD In-Touch Module 4 -- <i>Standard on Infinia 72xx models</i>	\$169