

# INFINIA 7161 Product Specifications

**Infinia 7161**  
**2.5 Billion Byte (=2.38GB): PV7161U-06A**

## PROCESSOR

Intel Pentium® 166Mhz (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

<b>LEVEL 2 (L2) CACHE</b>	Yes: 256KB
Data Bus Width/Address Bus Width	64-bit/32-bit
Local Clock Bus Speed	66 MHz
<b>DATA RAM:</b>	
(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

<b>MEMORY: EDO DRAM</b>	8MB x 8-bits or 2MB x 32-bits SIMM
Standard	32 MB: (8MB x 8-bits or 2MB x 32-bits SIMM)
Maximum	128 MB
Speed	60ns
Parity	No parity
Hyper Page mode memory access	Yes
Data bus width/Local clock bus speed	64 bit/66 MHz
Socket	
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)

<b>BIOS (256KB FLASH EPROM, )</b>	Yes
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)	2.5 Billion Byte (=2.38 GB)
Access Time	15 msec read/17 msec write
FDD	3.5" Floppy Disk Drive
CD-ROM: Toshiba XM-5702B	12X- speed
Interface	ATAPI ( Enhanced IDE ) w/256KB Buffer
Random Access Time	120 ms
Sustained Transfer Rate	1800 KB/sec
Supported Disk 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)

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### 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
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 )

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### 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

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### EXPANSION SLOTS

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

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### EXPANSION BAY

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

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### EXTERNAL INTERFACES

***All Ports are color coded for easy installation***

One RJ-11 port for internal modem (supplied)	Yes
One 9-Pin Serial (16550 UART compliant)	Yes
Two Universal Serial Bus ports <sup>1</sup>	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

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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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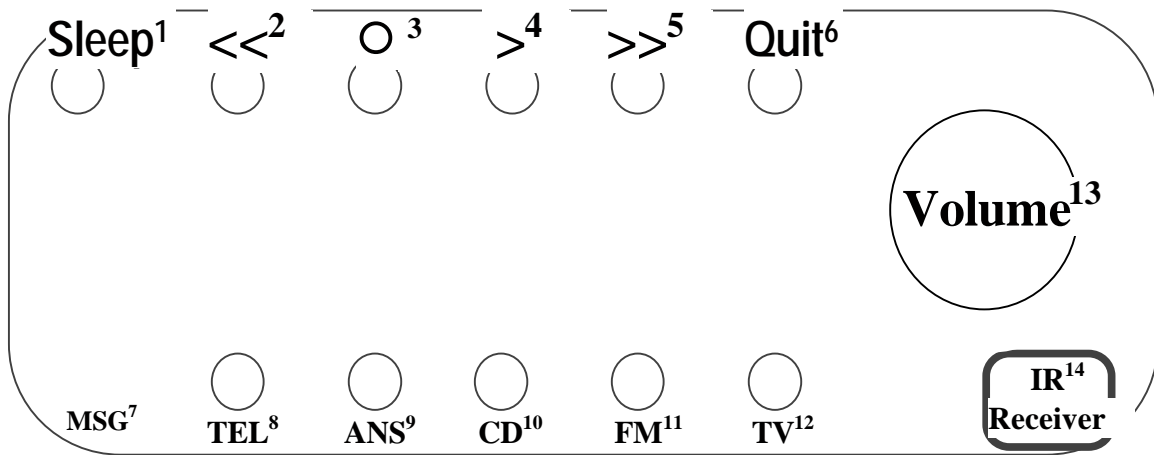
**TOSHIBA IN-TOUCH MODULE 1** Centralized Control to various devices

### Standard Functions

**Speakerphone, Digital answering machine, CD-ROM**

Sleep mode <sup>1</sup>	See coded references below
Digital answering machine functions	Replays last message ( <i>Refers to track, station or channel in other modes</i> )
Previous message <sup>2</sup>	Stop/Deletes current message
Delete message <sup>3</sup>	Play messages ( <i>Refers to track, station or channel in other modes</i> )
Play message <sup>4</sup>	Forward to next message ( <i>Refers to track, station or channel in other modes</i> )
Next message <sup>5</sup>	Deactivates digital answering machine or corresponding mode
Quit <sup>6</sup>	Active when message present
Message indicator <sup>7</sup>	Activates speakerphone
Speakerphone mode <sup>8</sup>	Activates/deactivates phone answering machine
Digital answering machine mode <sup>9</sup>	Activates CD-ROM mode
CD-ROM mode <sup>10</sup>	Activates FM tuner: Requires TV/FM Capture Kit (DT1001)
FM mode <sup>11</sup> (Standard unit is FM ready)	Activates TV tuner
TV mode <sup>12</sup> (Standard unit is TV ready)	Controls monitor speaker volume
Volume Control <sup>13</sup>	Requires optional remote (DT-1002)
IR Remote Ready Feature <sup>14</sup>	<b>Includes In-Touch Remote (DT-1002)</b>
<b>Optional TV/FM Capture Kit (DT1001)</b>	Yes: Includes PCI BUS board (Dimensions: 9" x 4.2")
PCI 2.0 plug-and-play compliant	
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 1



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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

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### 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)

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### DIMENSIONS

8.11" x 16.22" x 19.29"

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### WEIGHT

29.04 LBS

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### 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

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

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### 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 7161 Product Specifications

## 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
PV7161U-06A	Infinia 7161 w/166 Mhz Pentium w/MMX, 2.38GB HDD, & 12X CD-ROM	\$1,899
PV7201U-06A	Infinia 7201 w/200 Mhz Pentium w/MMX, 3.0GB HDD & 12X CD-ROM	\$2,199
PV1021U-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
DTVIDEOPHONE	Toshiba InTouch Video Phone with Intel Proshare Technology♦	\$299

♦ Requires TV/Radio Capture Card.