

TOSHIBA PORTEGE 7010CT Specifications

FEATURED SKU's	DESCRIPTION	
PAP701U-T2W5	PII300, 12.1", 32MB, 4.3bb HDD, Modem, Windows 95	
PAP701U-T2N4	PII300, 12.1", 32MB, 4.3bb HDD, Modem, Windows NT Workstation 4.0	
PROCESSOR (All models)	Intel Mobile Pentium® II (<i>As Listed: See Featured SKU's</i>)	
Available Processor speeds	300MHz (1.6v/1.8v/3.3v)	
Integrated Coprocessor	Yes	
Processor Cache (L1) Capacity	32KB: (16KB code; 16KB data)	
LEVEL 2 (L2) CACHE	Yes: 512KB Integrated into CPU	
Data Memory Type	2 Mbit Pipelined Burst Synchronous SRAM (3.3V)	
Access Time	8 ns	
Data Bus Width/Address Bus Width	64-Bit/32-bit	
Front Side Bus Speed	66 Mhz	
SYSTEM ARCHITECTURE (All models)	<u>Chipset</u>	<u>Connecting Devices:</u>
PCI (V.2.1) Bus: (32-bit, 33 MHz)	Intel 440BX	Graphics, PC Card, Expansion Bus, Modem DSP, HDD
ISA Bus: (8-bit, 8mhz)		BIOS, KBC, FDD, Sound chip
MEMORY: 64Mbit SO-DIMM SDRAM, 3.3V (All models)		
Standard/ Maximum	32 MB/160 MB	
Speed	66MHz w/ <i>Hyper Page mode support</i>	
Data Bus Width/Address Bus Width	64-bit/32-bit	
Front Side Bus Speed	66 MHz	
BIOS (4Mbit FLASH EPROM, 100ns,5.0V)	Yes: 512KB	
Supported standards	APM(1.2); PnP(1.0a); VESA(2.0); DDC2B; DPMS; PCI BIOS; DMI(2.0); ACPI(1.0)	
DISPLAY (All models)		
Type	12.1" Diagonal TFT Active Matrix Color, 800 x 600	
Dot Pitch	0.30mm x .30mm	
Contrast Ratio	100:1 (Min)	
VIDEO (All models)		
Memory: SGRAM	2.5MB (<i>integrated into Controller chip</i>)	
Speed	83MHz w/ <i>Hyper Page mode support</i>	
Controller Chip	NeoMagic (2200) w/ <i>256-bit Data Bus Width</i>	
PCI Bus Architecture w/burst mode	Yes: 32-bit, 33 MHz	
Graphics Accelerator:	Yes: 128-bit BitBLT engine	
2D Graphics support	BitBLT, H/W Cursor, DirectDraw	
3D Graphics support	Direct3D, OpenGL	
Digital Video Accelerator:	Yes	
YUV-to-RGB color space conversion	Yes	
Scaling Support	Yes	
Zoom (vertical and horizontal)	Yes	
Interpolation (vertical and horizontal)	Yes	
DirectVideo, DirectMPEG support	Yes	
TV Encoder support (NTSC/PAL)	Yes: Requires CD Network Dock (Part# PA2723U)	
INTERNAL SUPPORT (All models)		
Full screen	800 x 600 x 16.7M colors	
Smaller Image	640 x 480 x 16.7M colors (Full screen using Stretch mode utility)	
Virtual Image	1024 x 768 x 16.7M colors	
Virtual Image	1280 x 1024 x 256 colors	
EXTERNAL SUPPORT (All models)		
	<u>Colors</u>	<u>Vert. Refresh Rate (Non-Interlaced)</u> <u>External Mode/Simultaneous Mode</u>
640 x 480	16.7M colors	85Hz/60Hz
800 x 600	16.7M colors	85Hz/60Hz
1024 x 768	64K colors	85Hz/60Hz
1280 x 1024	256 colors	60Hz/60Hz

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STORAGE (All models)	
HDD (2.5" Enhanced IDE, 9.5mm height)	4.3 billion bytes (13msec)
Removable	Yes: User removable, 1 service screw required
Transfer rates supported	Ultra DMA33, DMA mode 2, PIO Mode 4
FDD (3.5" 1.44MB, 15mm height) -- External	External use via bundled floppy connector
CD-ROM	See Optional CD Network Dock Section
Future DVD Hardware Solution Available	
DVD-ROM Compatibility	(Optional: for Windows 95 models only) DVD-ROM only (DVD-RAM not supported)
DVD-Movie compatibility	Region 1 (North America).
ActiveMovie support	Yes
Motion Video Playback	Currently standard on all models
MPEGII video support	Yes: using C-Cube Microsystems ZiVA-PC Decoder chip
MPEGII audio support	Yes
Dolby™Digital Surround Sound AC-3	Yes: (5.1 channel, common with Headphone jack/AC3 digital)
KEYBOARD (All models)	
84 keys with Windows support	Yes (full-size key caps; 3mm Travel)
12 dedicated function keys	Yes
Numeric keypad (Integrated Overlay)	Yes
Integrated Pointing Device (All models)	
	AccuPoint™
EXPANSION SLOTS (All models)	
Two Stacked PC Card Slot (CardBus Ready)	Yes: Holds two - 5mm PC Cards Type II or one - 10.5mm PC Card Type III.
32-bit, 3.3V PC CardBus Support	Yes
16-bit, 5.0V PC Card Support	Yes
Internal Memory Slot (One only)	Yes
EXPANSION PORTS (All models)	
	LOCATION
One Headphone (3.5mm mini jack, stereo)	Yes: Front of unit
One Microphone (3.5mm mini jack, stereo)	Yes: Front of unit
One 15-Pin RGB (SVGA video)	Yes: Rear of unit
One DC Power-in Jack	Yes: Rear of unit
One 240-pin expansion bus	Yes: Bottom of unit
One Kensington cable lock slot	Yes: Right side
One RJ11 Port for internal modem	Yes: Right side
One External Floppy Drive port	Yes: Left side
One Universal Serial Bus (USB) port	Yes: Left side (Supports 127 devices. Throughput Rate: 12Mbits/sec.)
One Fast Infrared port (IrDA1.1: 4Mbps)	Yes: Left side
One Power Switch	Yes: Left side
I/O BAR (Port Expander)	
	(1) Standard: Connects to I/O Port Adapter Port -- Left side
One 9-Pin Serial (16550 UART compliant)	Yes
One 25-Pin Parallel (8 bit ECP)	Yes
One (PS/2) 101 Keyboard/Mouse port	Yes: Supports use of Y-cable
SOUND SYSTEM (As Listed)	
Chipsets:	Yamaha 3D sound effect-enabled OPL3-SA3
Functions supported	
Dolby™Digital Surround Sound AC-3	Yes: (with Windows 95 only)
Sound formats supported:	SoundBlaster Pro™ v.3.01, MIDI, Windows Sound System v.2.0
16 bit stereo audio playback/record	Yes: w/48kHz maximum sampling rate
Synthesis Policy	FM synthesis with Wavetable software support
Full duplex function	Yes: including simultaneous playback and record
DirectSound/Direct3DSound support	Yes: (with Windows 95 Game SDK driver from Microsoft only)
Volume control	Yes
Speaker system:	Single top-mounted speaker (28mm, 16 Ω)

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INTERNAL MODEM (As Listed)	K56flex with DSVD, V.34, V.70, V.80 and (V.90 upgradeable)
Data support (All models)	
Protocols supported	Bell-103/212A, CCITT-V.21/V.22, V.23, V.22bis, V.32, V.32bis, V.34, K56flex
Error correction	MNP 1-4
Data compression	MNP 5 for upto 2X data compression, CCITT V.42 bis for upto 4X data compression
Fax support (All models)	Fax class 1, Class 1 ECM
Protocols supported	V.21 ch2, V.27 ter, V.29, V.17
Telephony Functions (Windows 95 only)	
Standard software	Ring Zero RingCentral telephony software
Functions supported	Speaker phone, Telephony Answering Machine, Ring Wake-up Resume Incoming Call Discrimination
DSVD protocols supported	ITU-T V.70 , V.75, V.76, G.729, V.80 , V.25terA, V.34, V.8bis
CD Network Dock (Optional)	
Part Number	Part# PA2723U
Dimensions/ Weight	11.89"L x 10.12"D x 1.02"H (<i>Weight: 2.64 lbs.</i>)
Ethernet connection	10/100BaseT Ethernet (Intel Chipset)
System Management support	Wake-On-LAN; Alert-on-LAN; and Remote Service Boot
Integrated FDD	Yes
CD-ROM (5.25", 12.7mm height)	24X Maximum speed CD-ROM
Interface: .ATAPI (Enhanced IDE)	Yes: <i>with Local Bus Support & 128KB buffer</i>
Random Access Time	130ms
Sustained Transfer Rate	3600 KB/sec (24X); 2400KB/sec (Average)
Supported Disc formats	Red Book, Yellow Book, CD-ROM XA, CD-I Bridge (Photo CD), CD-I, CD-RW (read only), Multisession (Photo-CD, CD-Extra), CD-I Ready, CD-G
Two Stereo speakers	Yes
One 9-Pin Serial (16550 UART compliant)	Yes
One 25-Pin Parallel (8 bit ECP)	Yes
One SVGA port	Yes
One Composite Video port (NTSC/PAL)	Yes
One RJ-45 ethernet port	Yes
Two Universal Serial Bus (USB) port	Yes: Supports 127 devices. Throughput Rate: 12Mbits/sec.
One (PS/2) 101 Keyboard port	Yes
One (PS/2) Mouse port	Yes
One Microphone	Yes: (3.5mm mini jack, monoaural)
One Headphone/digital audio port	Yes: (3.5mm mini jack, stereo)
One Line-in	Yes: (3.5mm mini jack, stereo, 2V rms)
One Line-out	Yes: (3.5mm mini jack, stereo, 0.7V rms)
One Manual volume control	Yes
One Cable lock slot	Yes
CERTIFICATIONS (All models)	
USA	UL 1012, FCC Part 15 class B
Canada	CSA 223, I.Canada
Europe	EN 60950, SEV, EN55022
Japan	VCCI EMI standard
Australia	SAA, SMA
Other	Energy Star Compliant, Year 2000 compliant (NSTL Hardware Tested)

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POWER (All models)		
Autosensing External AC Adapter: PA2450U	4.9"L x 2.46"W x .97"H --- Weight: .66lbs.	
Input (Voltage/Frequency)	100-240V; 50-60Hz	
Output (Voltage/Amps)	15 VDC; 3.0A	
Power Output (Watts)	45W	
Battery Type: Li-Ion	<u>Standard (PA2505U)</u>	<u>Optional High Capacity (PA2506UR)</u>
Battery Rating	10.8V, 2500mAH	10.8V, 5000mAH
Dimensions	8.18"L x 1.91"W x .77"H	8.18"L x 1.91"W x .77"H
Weight	.58 lbs.	.58 lbs.
Battery Life: (Full Power)	2.5+	5.5+ hrs.
Recharge Time (Computer Off/On)	2.5 hrs./4-10 hrs.	N/A
Power Saving Features	APM v.1.2 BIOS, CPU Sleep mode , HDD Auto Off, Display Auto Off, Processing speed change, Auto Resume, Hibernation LCD Brightness switch (software)	
CASE CONSTRUCTION		
<i>Magnesium for extra rigidity and durability</i>		
DIMENSIONS (All models)		
11.69"L x 9.29"W x 1.1"H (0.9"Front)		
WEIGHT (includes . 6 lb. battery)		
4.1 lbs.		
BUNDLED SOFTWARE		
(Windows 95 models)		
Windows 95; Microsoft Internet Explorer (3.02); Yamaha OPL3-SA3 Audio Rack; Puma Intellisync 97; Ring Zero Ring Central; Mediamatics Arcade Pak; America On Line; Intel Indeo Video Interactive (32-bit, 4.01)		
<i>Additional Software on Configuration Builder CD:</i> LANDesk Client Manager 3.3; Microsoft Internet Explorer (4.1) w/Service Pak; On-line Registration; Electronic Manual; SMS Connect		
<i>CD's Included: Configuration Builder/Windows 95 CD</i>		
BUNDLED SOFTWARE		
(Windows NT models)		
Windows NT 4.0, Service Pack 3; Yamaha OPL3-SA3 Audio Rack; Puma Intellisync 97; Microsoft Internet Explorer (3.02); Intel Indeo Video Interactive (32-bit, 4.1)		
<i>Additional Software on Configuration Builder CD:</i> Intel LANDesk Client Manager 3.3; Microsoft Internet Explorer (4.01); Electronic manual; Symantec Norton AntiVirus (Scan and Repair)		
<i>CD's Included:</i> Configuration Builder CD --- <i>Allows HDD restore, Create custom pre-install, &/or install of individual drivers, applications, or utilities.</i>		
SECURITY (All models)		
Password security	Power-on, Supervisor, HDD, Eject	
Lock mechanisms	Kensington cable lock, Main memory & HDD (screw only), PC Card (when docked)	
Miscellaneous	Keyboard (by Hotkey), Screen blank (by Hotkey)	
WARRANTY (All models)		
3 YR Parts & Labor (1 YR Battery)		
ENVIRONMENTAL SPECIFICATIONS		
(All models)		
	<u>Operating</u>	<u>Non-operating</u>
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 (11ms); 1.5G (docked)	60G (66ms); 50G (docked)
Vibration:	0.5G (5~500Hz); 0.25G (docked)	1G (5~500Hz); 1G (docked)