

TOSHIBA PORTEGE 660CDT Specifications

PROCESSOR	Intel Pentium® 150Mhz (2.9v/3.3v) w/VRT
External data bus width	64 bit
External data/address bus speed	60 MHz
Integrated Coprocessor	Yes
Processor Cache	16KB: (8KB code; 8KB data)
LEVEL 2 (L2) CACHE	Yes: 256KB (Data); 32KB (Address)
Data Memory Type	1 Mbit Pipelined Burst Synchronous SRAM (32K x 32bit x 2, 3.3V)
Data Bus Width	64 Bit
Access Time	8 ns
TAG RAM:	Yes: 256Kbit Asynchronous SRAM (32Kx8bit, 3.3V) x 1
Access Time	14ns
Cacheable main memory area	Up to 64 MB (not using TAG-RAM) w/30ns Access speed
Local Bus Clock Speed	60 Mhz
SYSTEM ARCHITECTURE	
PCI Bus: (32-bit, 30 MHz)	Connecting Devices: PC Card Slots, Expansion Bus, Graphics Controller
ISA Bus: (16-bit, 8mhz)	Connecting Devices: BIOS, FDD, HDD, RTC
MEMORY: 16Mbit EDO DRAM, 3.3V	
Standard	16 MB
Maximum	80 MB
Speed	60ns
Hyper Page mode memory access	Yes
Data width	64 bit
Local Bus Clock Speed	60 MHz
BIOS (256KB FLASH EPROM, 120ns, 5V)	Yes
PnP 1.0a SUPPORT	Yes
DISPLAY	
Type	TFT Active Matrix Color
Size	11.3" (9"W x 6.75"H)
Dot Pitch	0.287mm x 0.287mm
Contrast Ratio	100:1 (min)
VIDEO	
Memory: 4Mbit EDO DRAM, 5V	2 MB
Speed	60ns
Hyper Page mode support	Yes
Controller Chip	Chips & Technology (F65554) w/64-bit Data Bus Width
PCI Bus Architecture w/burst mode	Yes: 32-bit, 30 MHz
Graphics Accelerator:	Yes: Supports BitBLT, LINEdraw, H/W Cursor
Digital Video Accelerator:	Yes
YUV-to-RGB color space conversion	Yes
Scaling Support	Yes
Zoomed Video Port Support	Yes
DirectVideo support	Yes
Internal Resolution	800 x 600 x 16.7M/16.7M colors
Smaller Image	640 x 480 x 16.7M/16.7M colors
Virtual Display Mode	1024 x 768 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 (@ 1024 x 768 Non-Interlaced)	Vert.: 85Hz; Hor.: 68.8kHz @ 256 colors

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STORAGE

Removeable HDD (2.6" Enhanced IDE) 1.4 billion bytes=1.35GB (13msec)

SELECT BAY DEVICES

Second Battery

Battery Type

Optional: Part# PA2492UR (Same as main battery)

Li-Ion (3.6V, 1800mAh)

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 Support³

Yes: w/FDD adapter (included)

FDD Adapter Dimensions

7.0"L x 5.5"W

FDD Adapter Weight

.25 lbs

Modular CD-ROM: Toshiba XM-1502B

5.25" 10x Average speed

Installed/Swappable with FDD

Interface

.ATAPI (Enhanced IDE)

Random Access Time

180ms

Sustained Transfer Rate

1500 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

84 keys

Yes (18mm key pitch; full-size key caps; 3mm Travel)

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 9-Pin Serial (16550 UART compliant)

Yes

One 25-Pin Parallel (8 bit ECP)

Yes

One 15-Pin RGB (SVGA video)

Yes

Fast Infrared port

Yes: IrDA2.0: 4Mbps

One (PS/2) 101 Keyboard/Mouse port

Yes: Supports use of Y-cable

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, 2Vrms)

Yes

One RJ11 Port for internal modem

Yes

Noteworthy security lock port

Yes

POWER

Autosensing External AC Adapter: PA2438U 4.92"L x 2.48"W x .98"--- .75lbs

Input (Voltage/Frequency)

100-240V; 50-60Hz

Output (Voltage/Amps)

15 VDC; 2.0A

Power Output (Watts)

30W

Battery Type: Li-Ion (3.6V, 1800mAh)

Yes: Part# PA2492UR

Battery Life: (Full Power/Low Power)

2-4 hrs

Recharge Time (Computer Off/On)

4.5 hrs.(Off) / 6-9 hrs.(On)

MaxTime® Power Management

Yes

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

TOSHIBA PORTEGE 660CDT Specifications

INTERNAL MODEM	28.8 /14.4 Kbps Data/Fax modemw/ <i>International DAA support</i>
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, CCITV V.42bis
Fax support	
Protocols supported	V.21 ch2, V.27ter, V.29, V.17
Fax class	1
Supported Functions	Speaker Phone, Telephony Answering Machine, Ring Wake-up Resume, Incoming Call Discrimination, Caller ID
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SOUND SYSTEM	
Chipsets:	Yamaha OPL3-SA2
16 bit stereo audio playback/record	Yes
Maximum Sampling Rate	48 kHz
Built-in Speaker	Yes (monaural)
Built in Microphone	Yes (monaural)
Full duplex supported	Yes
Sound formats supported:	SoundBlaster Pro™, .WAV, MIDI, Zoomed video port audio (stereo), CardBus audio (monaural), CD-ROM audio
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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
Designed for Windows 95 and PNP	Yes
Hot Docking Support	Yes
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NoteDock II Enhanced PortReplicator (Optional)	Part# PA2713U
Two Type III CardBus ready PC Card slots	Yes: each slot supports one card
Supported Interfaces	Serial, parallel, PS/2 mouse, DCin, SVGA monitor, lock slot, joystick/MIDI, audio line-in, line-out, headphone, microphone
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DIMENSIONS	10.35"W x 1.9"H x 8.27"D
WEIGHT (includes . 88 lb. battery & FDD)	5.6 LBS.
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BUNDLED SOFTWARE:	
<i>User selectable</i> Windows 95 or Windows for Workgroups 3.11 and MS-DOS 6.2® w/Special Enhancements; Intel Indeo Video™; Synchro multimedia connect Communications utilities; Mediamatics MPEG Arcade Player; MagiCDisk; America Online™, CompuServe®, Netscape Navigator™, Fn-esse™, Hypertext online documentation	
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SECURITY	Lock slot, power-on & HDD password, screen blank, keyboard lock
WARRANTY	3 YR Parts & Labor
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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 90% non-condensing
Altitude:	
Operating	-197 to 9,843ft. (-60 to 3000m)
Non-operating	-197 to 32,808ft. (-60 to 10,000m)
Shock:	Operating/ Non-operating 10G/60G
Vibration:	Operating/ Non-operating 0.5G/1G