

# Press Release

Toshiba's T4700 Series "Advanced Notebook" powers up the market for sound and vision.

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**Neuss,  
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1993**

Toshiba today announced probably the most advanced notebook yet on the market. The new Toshiba T4700CT brings together new levels of power, sound and high-performance video capabilities to match the demands of the new wave of multimedia applications emerging on the market.

"Computing is undergoing a rapid transformation," says Fumio Yamashita, Toshiba's European Vice President of the IPS Business Group. "The most important of these trends is the emergence of multimedia. The T4700CT is our first notebook that allows sound-and-vision computing. Soon users will go about their mobile computing in an entirely different ways, using voice, sound and video to make their applications even more natural."

*50 MHz i486 DX2*

The T4700CT uses the brand-new SL Enhanced Intel 486 DX2 processor which runs at 50 MHz internally and 25 MHz externally. With a built-in numeric coprocessor and 8 KB cache on the chip, it is one of the fastest CPU's available - on a desktop or a mobile computer. The processor runs at 3.3-volts and include the best of Intel's SL power-saving features while leaving the details of power management implementation to Toshiba's proven MaxTime Power Management System.

For the first time on a Toshiba notebook, 8 MB RAM comes as standard and can be extended with handy, credit-card-sized 3.3-volt RAM cards up to an impressive 24 MB. The rationale for this is to meet the demands of operating environments such as Windows which demand more and more RAM. Storage capacity is equally generous on the T4700CT. Users have the choice of a 200 or 320 hard disk that can be upgraded due to a new removable system developed by Toshiba for the T4700CT.

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### *A notebook with sound and vision*

But for many users it will be the sound system that sets the T4700CT apart in the market. A full-featured sound chip has been integrated onto the motherboard and the Microsoft Sound System comes bundled. Together with the internal microphone, speakers, and external audio connectors, these features enable users to take full advantage of the sound capabilities of Windows 3.1, including object linking and embedding (OLE) technology to annotate documents with voice comments as well as recorded sound and video.

The T4700CT's screen capabilities are just as impressive. A VESA local (VL) bus and Windows graphics accelerator with BitBIT and linedraw functions provide leading-edge graphics performance. The large 9.5" TFT screen can show up to 256 colours internally from a palette of 262,144. These features make the T4700CT probably the best self-contained, notebook-sized visual system on the market. For presenting to larger groups, the T4700CT has Toshiba Dual Display mode which lets users show data on an external device and internal screen simultaneously. Externally the T4700CT Series provides full SVGA resolution: 640 x 400 x 256 colours, 800 x 600 x 256 colours and 1,024 x 768 x 256 colours.

### *PCMCIA 2.0 and Desk Station IV connectivity*

For easy expansion, the T4700CT has two PCMCIA 2.0 slots that accept Type I, II, III PCMCIA cards. PCMCIA provides industry-standard mobile communication and expansion in a handy credit-card-sized format. The T4700CT also has pre-installed PCMCIA support software which conforms to the Socket and Card Services international specification. This ensures that users get full plug-and-play compatibility and can take advantage of advanced PCMCIA features such as hot insertion. For those who require the same expansion options as a desktop computer when working in the office, the T4700CT has a connector for the Toshiba Desk Station IV. This one-touch docking station provides two full-sized ISA slots and a 5.25" bay for an additional hard disk, CD-ROM or streamer. The Desk Station IV also

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has a total of 6 ports: serial, parallel, external FDD, PS/2 enhanced keyboard, PS/2 mouse, RGB.

### *Security features*

Data security has also been built in. The T4700CT comes with the Toshiba MultiSafe Security System bundled as standard. MultiSafe provide up to 4 passwords to allow multiple access rights to various system components according to user. Other security features include an instant security "hot key" and a provision for the Kensington MicroSaver. For companies and users with even higher security requirements, the optional Toshiba CryptCard, a PCMCIA-format full-featured hardware security card can be purchased as an option.

### *Toshiba details provide ease of use*

The T4700CT has many of the ease-of-use details so well accepted on other models in Toshiba's "Advanced Notebook" line. The Toshiba QuickRead LCD panel gives an instant up-date on system status. Hot keys provide quick changes of system configuration. The Microsoft BallPoint V2.0, the second generation of this popular cableless pointing device, features a new, sculptured design and easy connection to the QuickPort on the T4700CT's side. AutoResume with AutoSave and the award-winning Toshiba 84-key keyboard round off the list useful details.

"The T4700CT continues in the popular tradition of our "Advanced Notebooks" and is the most powerful notebook yet," confirms Fumio Yamashita. "With its unparalleled combination of power, capacity and new-generation sound-and-vision support, It should delight users for whom there is no such thing as an overdesigned notebook"

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## New T4700CT sound & vision notebook

### T4700CT Specifications

#### Processor

- SL Enhanced Intel486 DX2,
- 3.3-volt technology
- 50 MHz internal, 25 MHz external clock speed
- 8 KB cache on chip
- Co-processor built-in

#### Memory

- Standard 8 MB RAM
- Expandable to 24 MB

#### Disk drives

- 200 or 320 MB hard disk, 12 ms ave. access time
- 3.5" 1.44 MB/720 KB diskette drive with media-type checking

#### Display

- 640 x 480 dot resolution
- Active-matrix TFT colour
- 9.5" diagonal

#### Graphics Adaptor

- VGA/SVGA compatible
- Dual Display mode
- Up to 256 colours
- Colour palette: 262,144
- VESA local bus
- BitBIT graphics accelerator

#### External Video Modes

- 640 x 480, 256 colours
- 800 x 600, 256 colours
- 1024 x 768, 256 colours all from 262,144 colours

#### Keyboard

- 84 sculptured keys
- Standard layout
- 12 function keys
- 8 cursor keys
- Inlaid numeric keypad
- 10 "hot keys"

#### Interfaces

- Centronics compatible parallel/FDD port
- RS-232 serial port
- PS/2 mouse port
- PS/2 keyboard port
- Analogue VGA port
- 150-pin connector for Desk Station IV
- Microphone jack
- Headphones jack

#### Expansion

- PCMCIA 2.0 type II slot
- PCMCIA 2.0 type III slot
- Desk Station IV (option)
- Credit card format memory expansion

#### Special Features

- AutoResume™ Mode with AutoSave
- MaxTime™ Power Management with Advanced Power Management
- QuickRead™ LCD Icons
- MultiSafe security system
- Flash BIOS
- MS Windows Sound System with int. speaker and microphone
- Kensington cable lock provision

#### Software included

- MS-DOS 5.0
- Windows 3.1
- PCMCIA Socket and Card Services software support
- MS Sound System
- SVGA screen drivers
- All software pre-installed on hard disk

#### Hardware included

- BallPoint® mouse version 2.0 with QuickPort™
- MS Sound System chip on motherboard

#### Power Supply

- Auto-sensing 100-240 V AC adaptor for world-wide usage

#### Battery

- Rechargeable and removable NiH<sub>2</sub>
- Up to 3.5 hours battery life
- Recharges in 1.5 hrs

#### Size

- 297 x 210 x 56 mm (11.8" x 8.4" x 2.2")

#### Weight

- 3.1 kg (6.8 lb.)

#### Options

- Carrying case
- Desk Station IV
- Extra battery packs
- 4, 8 and 16 MB memory cards
- PCMCIA high-speed fax/modem (where approved)
- Toshiba ExpressWriter 201 portable printer
- CryptCard (PCMCIA data encryption card)
- Car adaptor

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