

# Press Release

## The Toshiba T4400SXC: The world's first TFT colour screen notebook with 486SX power

Hanover,  
11th March 1992

The Toshiba T4400SXC, a 486 SX-based, A4 sized notebook with an active matrix colour screen, is now available. This lightweight mobile PC offers faster processing speeds than any other notebook PC. With its colour screen, users can now have a complete personal computer in an A4 package. Moreover, the 486 SX processor in the T4400SX delivers faster computing speeds than 95% of the desktop computers in use today.

At the heart of the T4400SXC is the Intel 486 SX processor, running at 25 MHz. Depending on the programs used, the T4400SX can run up to four times faster than the latest 386 SX models running at 20 MHz. This combination of speed and fast reacting colour screen makes the T4400SXC the perfect mobile PC for Windows and other graphical user interfaces (GUIs). An upgrade to a 486 DX processor is also possible for those who need the advantages of a co-processor.

The TFT colour screen on the T4400SXC is a specially developed slimline version appropriate for a notebook PC. Just 12.5 mm thick, the screen also has a much lower power consumption than earlier TFT screens. The latest technology uses only 40 % of the power of earlier TFT colour LCDs and is a major help in achieving the T4400SXC's 3 hour battery life.

Despite the lower power consumption, the cold cathode fluorescent lamps provide a full 70 cd/m<sup>3</sup> display brightness. The screen has a diagonal of 8.5 inches and a dot pitch of 0.27mm. The line response speed is 50 ms, four times faster than the best passive matrix LCD screens. TFT screens also give excellent contrast compared to passive matrix LCDs. On the T4400SXC the screen has a contrast ratio of 60:1. With the advanced graphics controller built into the T4400SXC, it can show 256 colours simultaneously from a range of 185,193 on the internal display.

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For more information contact Nigel Fusedale, Tel.: + 49 2131 158265 and see Toshiba Visions newspaper.  
Photos from the International Information Booth, Toshiba stand, Hall 6.

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The T4400SXC also includes Toshiba's dual display mode. When this is switched on using the set-up program, an external display can be connected and viewed at the same time as the built-in screen. 256 colours from 256,000 are than available via the external VGA port.

For storage, the T4400SXC features a standard 1.44 MB/720 KB diskette drive with automatic media type checking and an 80 or 120 MB hard disk. Standard RAM is 4 MB (expandable to 20 MB using credit-card sized expansion cards). All this is packed into a machine which is the standard European A4 size and weighs only 3.5 kg. It will be available from Toshiba authorised dealers from April.

In common with Toshiba's other A4 sized notebooks, the T4400SXC fits into the Desk Station IV expansion unit for office use. Other similarities across the new Toshiba notebook range which the T4400SXC shares include 84 key keyboards with 12 function keys and 8 cursor keys, as well as the unique Toshiba AutoResume™ mode and MaxTime™ Power Management system for conserving battery power.

For those who need to stay in touch long distance, the T4400SX also includes an enhanced Toshiba communications slot for a modem or Toshiba ISDN board. On the T4400SX this slot has been refined to take more power-hungry modems. This means that faster modems can be used to save on both time and costs. External connections are provided by the parallel and serial ports, complemented by dedicated mouse and colour VGA ports. The Desk Station IV has its own 150 pin connector.

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### Product Specifications

#### Processor

- | Intel 486SX™ upgradeable to 486DX™
- | 25/12.5 MHz clock speed
- | 8 KB cache on chip
- | Reset switch
- | Numeric coprocessor included in 486DX™

#### Memory

- | Standard 4 MB RAM
- | Expandable to 20 MB
- | LIM EMS 4.0
- | XMS support

#### Hard Disk

- | 80/120 MB
- | Less than 19 ms ave. access time

#### Diskette Drive

- | 3.5" 1.44MB/720 KB diskette drive
- | Media-type checking

#### Display

- | Active matrix TFT colour LCD
- | 8.5" diagonal
- | 640 x 480 dot resolution

#### Graphics Adaptor

- | VGA compatible
- | Up to 256 colours simultaneously from 185,193 on internal display
- | Dual display mode

#### Keyboard

- | 84 full-sized sculptured keys in familiar layout
- | 12 function keys
- | 8 dedicated cursor keys
- | Integrated numeric keypad

#### Interfaces

- | Centronics compatible parallel/FDD port
- | 9-pin RS-232C serial port
- | PS/2 mouse port
- | 150-pin connector for Desk Station IV
- | 15-pin analogue VGA monitor port
- | Keypad port

#### Special Features

- | AutoResume™ Mode
- | MaxTime™ Power Management
- | Toshiba HardRAM™
- | Power-on password protection

#### Expansion

- | Desk Station IV option
- | Enhanced Communications slot
- | Credit card sized memory expansion slot

#### Power Supply

- | Autosensing 100-240 V AC adaptor for world-wide usage

#### Battery

- | Rechargeable and removable NiCd
- | 3 hours battery life
- | Recharges in 1.5 hrs (machine off)

#### Size

- | 297 x 210 x 56 mm (11.7" x 8.3" x 2.2")

#### Weight

- | 3.5 kg (7.7 lb)

#### Options

- | Carrying case
- | Desk Station IV
- | Extra battery packs
- | Internal 2, 4, 8 and 16 MB memory expansion cards
- | External 5.25" 360 KB diskette drive
- | External numeric keypad
- | External keyboard adaptor
- | Key caps for European languages
- | MS-DOS 5.0
- | Toshiba ExpressWriter 201 portable printer