# T3100SX

- 386SX/16 MHz
- VGA PlasmaDisplay
- Battery Power
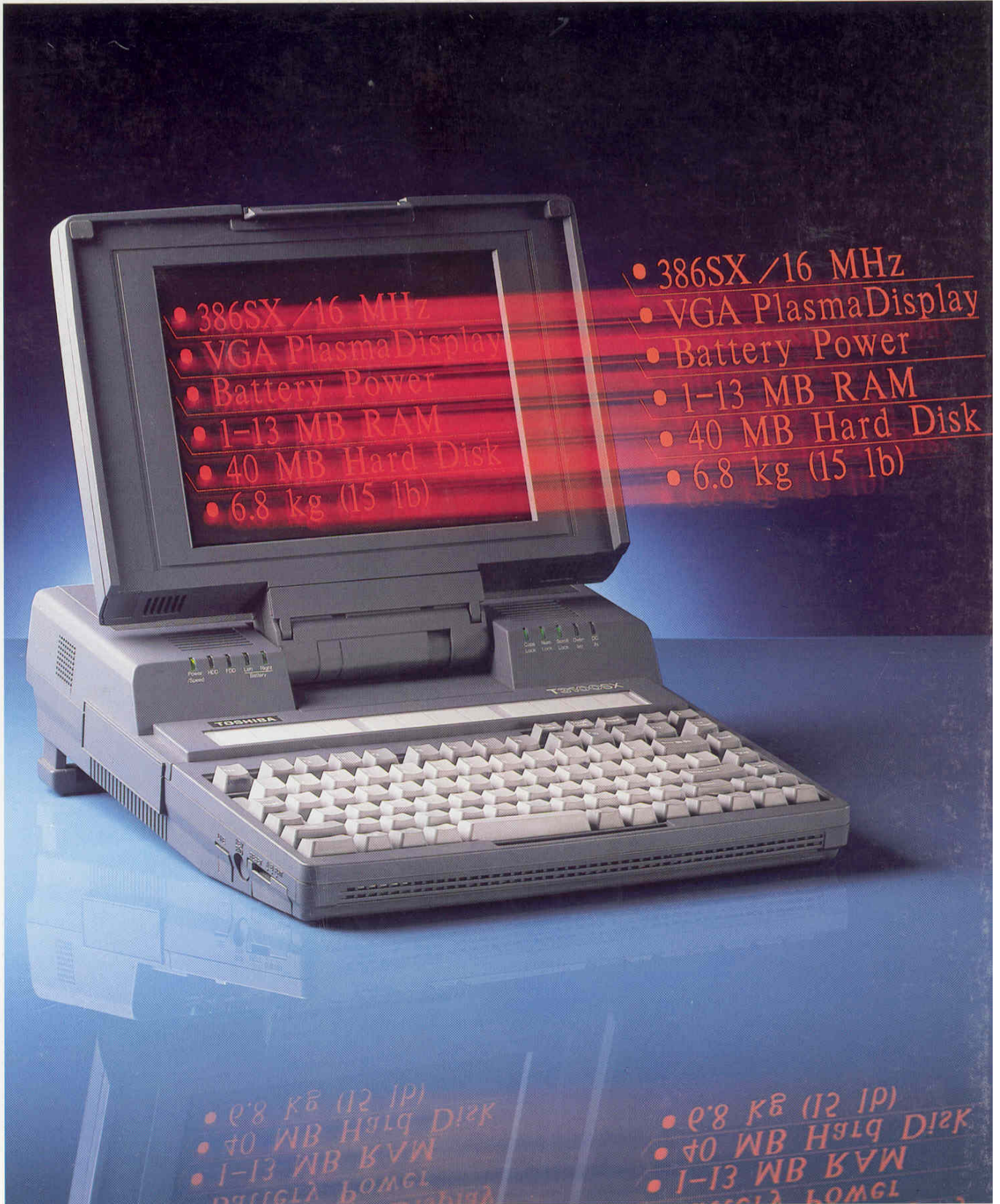- 1-13 MB RAM
- 40 MB Hard Disk
- 6.8 kg (15 lb)

**TOSHIBA**

# T3100SX

386SX™ Processor
Plasma VGA Display
Battery Power

## Portable Design

You can put the T3100SX to work wherever you want to. It has the convenient form factor of our popular Toshiba T3100e, but adds more speed, sharper graphics, and battery power. You can take the T3100SX places you'd never dream of taking a desktop. And get desktop performance on batteries. The two batteries are re-chargeble and replacable so you can carry extra power with you. At 6.8 kg (15 lb), it offers the same comfort and performance as comparable 386SX™ desktop systems, but is more effective because it is portable. Which shouldn't come as a surprise because the T3100SX is designed as a full function office computer with the added benefit of battery portability.

## 80386SX

The T3100SX offers cost-effective 386SX™ processing at a fast 16 MHz. So you won't have any trouble running applications and operating systems built for 386™ architecture. You'll be able to run all the software developed for this architecture, taking advantage of multitasking capabilities and large memory address space. The T3100SX will speed through advanced applications at 16 MHz, but if you need even faster performance, you can add an optional Intel 80387SX™ maths coprocessor.

## Plasma VGA Display

A unique feature is the new low-power VGA plasma display – a Toshiba first on a battery portable. You get the fast response and clear legibility of a plasma display wherever you are. Since VGA graphics are integrated onto the motherboard, there is no need to buy an extra graphics adapter. Full 640 x 480 VGA resolution can be displayed simultaneously on both the plasma display and an external VGA monitor. On the plasma display, colours are shown as 16 grey scales. A VGA colour monitor shows the full VGA colour range. An extra wide viewing angle allows for excellent legibility from the side when several users are looking at the screen.

## 1-13 MB RAM

You can custom configure the T3100SX to your memory needs. 1 MB of fast Toshiba RAM comes standard. But if you need more, you can increase total memory to up to 13 MB on the motherboard. And RAM on the T3100SX is versatile. You can use it as a fast battery-backed silicon disk – Toshiba Hard RAM. Or you can use it for multitasking with OS/2 or UNIX or for the many MS-DOS applications supporting the LIM-EMS 4.0 extended memory and XMS 2.0 expanded memory standards. So your memory-hungry applications will no longer be a test of your patience. With the T3100SX you can be sure that you'll have the memory you need for future applications.

## Storage

The T3100SX comes with a fast 40 MB hard disk which provides plenty of storage space for data, programs, and operating systems. Many hard disks are too slow to keep up with the rest of the computer's components. Not the T3100SX. The hard disk has an average access time of 25 msec to speed up overall throughput. What's more, the hard disk is built for portability, with the small size, rugged design, and auto-retracting needed for use away from the office. If you need an even faster storage medium, RAM above 640 KB can be used as a fast silicon disk – Toshiba Hard RAM.

This makes it possible to have over 12 MB additional storage space when optional RAM cards are added. The T3100SX also comes with an industry-standard 3.5" 1.44 MB/720 KB diskette drive which automatically detects diskette type.

## Toshiba Details

Leave it to Toshiba, a leader in portable solutions, to find clever ways to enhance portable productivity. Connectivity features include a modem slot, a Toshiba slot for networking or other add-ons, an optional expansion unit, and two standard serial ports. Toshiba MaxTime™ Power Management provides built-in power conservation by putting hard disk, processor, and display to sleep when they're not needed. So you get the longest possible life on a battery charge. Toshiba AutoResume™ gives you a quick start back to where you were working when you last turned the machine off. Memory above 640 KB can be configured as an ultra-fast disk in RAM – Toshiba Hard RAM. And the T3100SX, like all Toshibas, offers the highest standard of reliability and quality. But if something should go wrong, you can be certain that Toshiba service is close at hand. Quick. Professional. Worldwide.

T he Toshiba T3100SX offers full desktop power. And more. 386™ architecture. A fast 40 MB hard disk. Plasma VGA display. All in a battery portable the size of a briefcase. A computer for demanding professionals who want to replace their outdated office machine with a modern portable. The T3100SX from Toshiba. More portable. More versatile. More effective.

# T3100SX Specifications

### Processor

Intel 80386SX™ microprocessor
Adjustable 16/8 MHz operating speed
Sleep mode
Socket for Intel 80387SX™/16 maths coprocessor
Reset button
AutoResume™ mode

### Memory

1 MB RAM standard
Expandable up to 13 MB
2 and 4 MB memory cards
LIM-EMS 4.0
XMS 2.0
128 KB ROM
Shadow RAM

### Storage

40 MB hard disk drive
25 msec average access time
Auto-retract head
3.5" 1.44 MB/720 KB diskette drive

### Display

High-resolution plasma
Brightness control
640 x 480 pixel resolution
16 grey scales
Dual display mode
Colour/Mono VGA mode
Detachable

### Graphics Adapter

VGA compatible
256 of 262, 144 colours on external CRT

### Interfaces

15-pin VGA colour monitor port
External numeric keypad port
Parallel bidirectional printer port
External diskette drive port
Two 9-pin RS-232C serial ports

### Expansion Slots

Toshiba expansion slot
Dedicated modem slot

### Keyboard

Sculptured full-size 88-key keyboard
Integrated numeric keypad
Overlay status LED
12 Fn keys

### Operating System

MS-DOS 4.01
MS-DOS 3.3 (option)
MS OS/2 (option)

### Dimensions

360 x 310 x 80 (W x D x H)
14.2 x 12.2 x 3.15" (W x D x H)

### Weight

6.8 kg/15 lb

### AC Adapter

Autosensing 100-240 VAC for worldwide usage

### Battery

High energy density NiCd
Removable
Rechargeable
Battery life:
2-5 hours (two batteries)

### Options

Carrying case
External 5.25" diskette drive
External expansion unit
Modem (where approved)
Toshiba SysLink E (Ethernet) network card
2 and 4 MB memory expansion cards
MS-DOS 3.3
Quick Charger
Battery Pack
Toshiba ExpressWriter 301 portable printer

386SX, 80386SX and 80387SX are trademarks of Intel Corporation.

MS-DOS and OS/2 are trademarks of Microsoft Corporation.

Ethernet is a trademark of AT&T Corporation.

Design and specifications are subject to change without notice.

Printed in W. Germany

**TOSHIBA**

Dealer Stamp