T3200SX

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The best of both worlds

Someday all office computers will be like the T3200SX – combining full power and function with effective portability. The Toshiba T3200SX is an office computer based on the Intel386™ architecture, but without the extra size and weight. It offers the expansion possibilities and user comfort of a desktop system, but with added portability. The Toshiba T3200SX gives you the best of both worlds – full function office computing and effective portability. So your work won't be limited to one place.

Built around the 16 MHz Intel 80386SX™ microprocessor, the T3200SX gives you all the benefits of Intel386™ technology. You can run all the current software written for this chip and be certain that your computer will also run tomorrow's advanced applications. The T3200SX feels as much at home in a multitasking OS/2™ or UNIX™ environment as it does running single-user MS-DOS™ applications. And since the T3200SX uses Intel's 80386SX™, you get 386™ performance at a price you can afford.

Toshiba engineers set out to design a computer with full functionality and power for the office. The T3200SX is the result. The full-size keyboard with separate numeric keypad and 12 function keys make data entry more comfortable – especially for professionals who work with numbers. The VGA graphics adapter delivers high-resolution VGA graphics with 16 grey scales on the plasma display or full VGA colour on an external monitor. And since VGA is integrated onto the motherboard, you won't need to use a slot for a graphics adapter board.
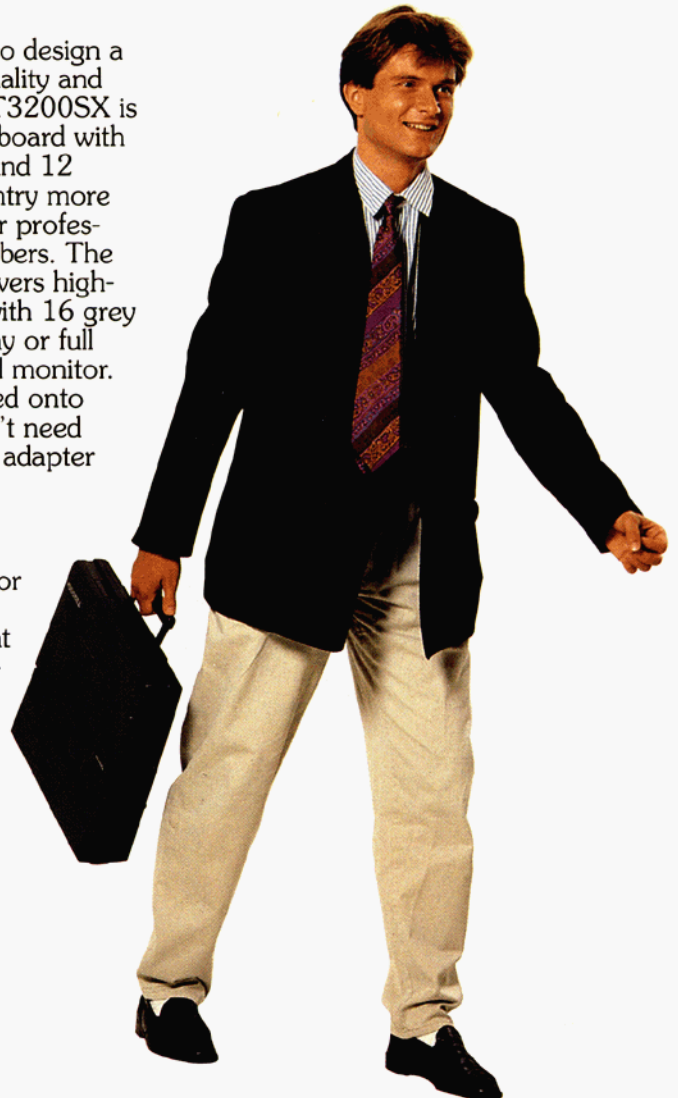
If you want to add a fax, modem, network adapter, or other add-on option, you won't have any problems at all. There are two industry-standard expansion slots and one dedicated modem slot at your disposal, giving the T3200SX the expandability you'll miss

on the majority of other portables. But the T3200SX doesn't only outperform most other portable computers. Up to 13 MB RAM on the motherboard for memory hungry software, a fast hard disk, two serial ports, and a fast display are features you'll have trouble finding on most desktop machines.

As a Toshiba product, the T3200SX is an office computer with more. More features. More function. And more portability.

What other 386SX™ office computer weighs under 8 kg (17.4 lb) and is the size of a briefcase? You'll appreciate the space-saving size while in the office. And if you need your computer in a colleague's office, or at a conference, or to catch up with some work at home, just take the T3200SX with you.
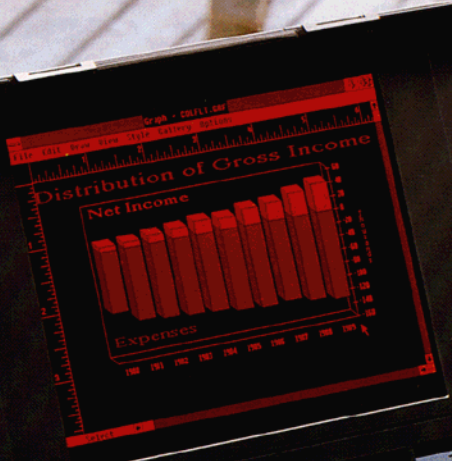
And what other 386SX™ office computer makes security a non-issue? The T3200SX comes with a security tab so you can lock it up when unattended. But the best security of all is the T3200SX's size. Just lock away the entire computer in a closet or desk drawer and you'll never worry about unauthorised access again.

All in all, the Toshiba T3200SX is the computer you need today for tomorrow's business challenges. Call your Toshiba Authorised Dealer to find out more about what the T3200SX can do for you.
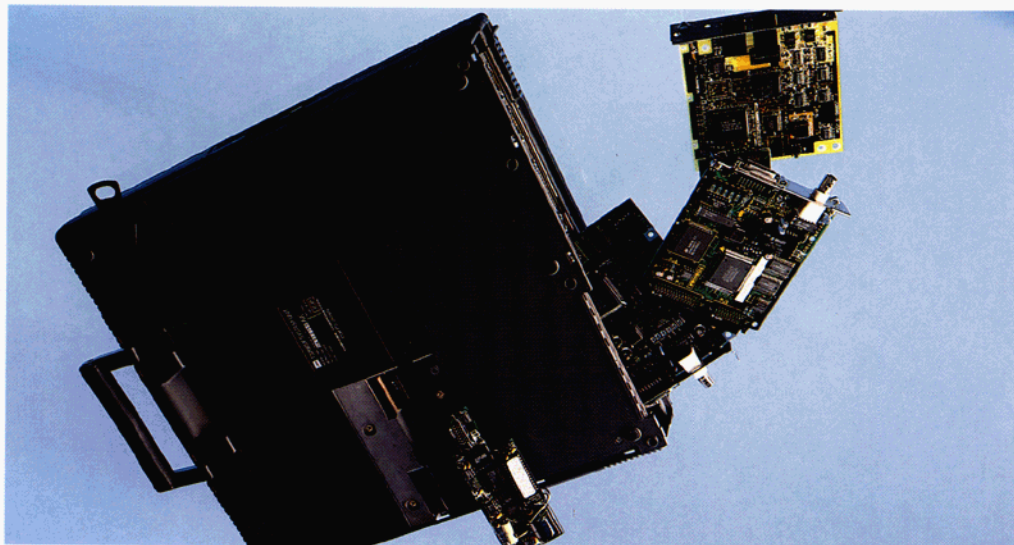
80386SX™

Since the T3200SX is built around the 16 MHz Intel 80386SX™ chip, you get all the benefits of 386™ architecture at an affordable price. You'll be able to run all the software developed for this architecture, taking advantage of multitasking capabilities and large memory address space. The T3200SX will speed through advanced applications at 16 MHz, and if you need even faster performance, you can add an optional Intel 80387SX™.

1-13 MB RAM

You can custom configure the T3200SX to your memory needs. The T3200SX comes standard with 1 MB of fast Toshiba RAM. But if you need more, you can add up to 13 MB RAM without using an expansion slot. Added memory is import-ant if you choose to use OS/2™ or UNIX™. And since the T3200SX supports LIM EMS 4.0 and XMS 2.0, you can also take advantage of expanded and extended memory with the wide range of MS-DOS™ applications which use these standards. So your large spreadsheets and databases will no longer be a test of your patience. In short, with the T3200SX you can match your system to your operating needs – whatever they are. And be sure that you'll have enough memory versatility for the future.

40 MB Storage

The T3200SX comes with 40 MB for storing all your programs and data. And the hard disks is fast, boasting average access times of 25 msec. This ensures fast system throughput – even with hard disk intensive applications. What's more, the hard disk is built for portability, with the small size and rugged qualities that are a trademark of Toshiba computers.

VGA

A special feature on the T3200SX is built-in VGA graphics. There is no need to buy an extra graphics adapter or use an expansion slot for VGA graphics, since VGA is integrated onto the motherboard. The high-resolution gas plasma display wins kudos for legibility and size. Full 640 x 480 pixel VGA resolution can be displayed simultaneously on both the built-in plasma display and an external VGA monitor. On the plasma display, colours are displayed as 16 grey scales. A VGA compatible colour monitor shows the full colour range of VGA.

Multi-Environment

Need a different operating system? The T3200SX gives you a choice. You can run MS-DOS™, OS/2™, or UNIX™. You get all the advantages of any one of these popular operating systems today and the option of changing in the future. The T3200SX is ready to change when you are. How many other portable computers are this versatile?
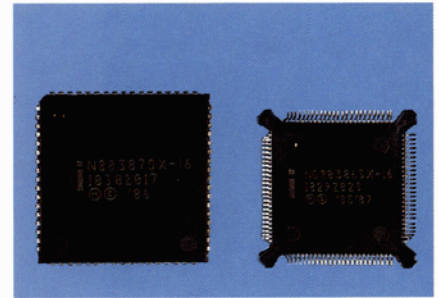
Industry-Standard Expansion

Since many add-ons, like graphics adapter and expansion memory, are already integrated onto the motherboard, you won't need a whole lot of slots for these features. But if you do want to install a fax, modem, network adapter, or other add-on card, the T3200SX makes it easy. There are two industry-standard slots. One is for a full-size 16- or 8-bit card; the other can be used for a half-size 8-bit card or for a Toshiba card. There's also a dedicated slot for a Toshiba modem. Toshiba shows how to provide full industry-standard expandability in a small package.

User Comfort

The T3200SX prides itself in being a full function office computer which offers maximum user comfort. The small size and low weight provide the maximum freedom to work where your want. The small footprint also saves space – wher-ever you choose to work. There is a full selection of standard interfaces for connecting peripherals. The T3200SX even has two serial ports for increased flexibility for communications and a full-size keyboard with separate numerical keypad. The full-size screen will be a joy to users expecting less from a portable computer. In short, Toshiba is not only content with providing full office perform-ance on the T3200SX; our engineers have achieved a new office standard of effective computer ergonomics.

Built-In Security

Information has a real value in today's professional world. That's why it's important to take every measure to ensure that no unauthorised person gains access to your computer. With a portable computer, like the T3200SX, this is easy. You just lock the computer away in a desk drawer or filing cabinet. And the T3200SX has an additional security advantage – a metal tab for fastening to your table. So your portable computer is only portable when you want it to be.

Specifications

Processor
Intel 80386SX™ CPU
16 MHz clock speed
Optional 80387SX™ maths coprocessor

Memory
Standard 1 MB RAM
Expandable to 13 MB on motherboard
LIM-EMS 4.0 support
XMS 2.0 support

Storage
40 MB
(25 msec avg. access time)

Diskette Drives
Built-in 3.5" 1.44 MB/720 KB diskette drive

Display
High-contrast gas plasma display
Up to 640 x 480 pixel resolution
16 grey scales
Simultaneous plasma/external CRT mode

Graphics Adapter
VGA compatible
262,144 colours total, 256 at a time on external CRT

Interfaces
Contronics parallel port
Two RS-232C serial ports
VGA colour monitor port
External diskette drive
External keyboard

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MS-DOS and OS/2 are trademarks of Microsoft Corporation
Ethernet and UNIX are trademarks of AT&T Corporation

Expansion Slots
Full-size 16-/8-bit slot
Half-size 8-bit slot or Toshiba 16-bit expansion slot
Dedicated modem slot

Keyboard
Sculptured 92 key
12 function keys
Full-size numeric keypad
Numeric enter key

Operating System
MS-DOS™ 4.01
MS-DOS™ 3.3 (option)
OS/2™ 1.1 (option)
T/PIX 2.1 (AT&T UNIX™ System V/386 R3.0) (option)

Clock/Calendar
Backed up by lithium battery

Size
370 x 395 x 99 mm (W x D x H)
14.6" x 15.5" x 3.9"

Weight
7.9 kg
17.4 lb

Power Supply
Autosensing 100-240 VAC for world-wide usage

Options

Memory Expansion
The optional T3200SX memory expansion kits have a capacity of 2 or 4 MB. Up to three kits can be installed to increase total memory to 13 MB. The expansion memory, like standard RAM, can be configured as expanded memory and/or extended memory.

External 5.25" 360 KB diskette drive
An external 5.25" diskette drive with a capacity of 360 KB is available to facilitate data exchange with personal computers not yet supporting 3.5" media.

External Expansion Unit
The external expansion units have up to five industry standard slots. With these slots you can add even more add-on cards such as network adapters, fax cards, host communication boards, modems, additional hard disk drives, memory expansion, and graphics adapters. This multitude of expansion possibilities makes the T3200SX a secure investment for the future.

Internal Hayes-Compatible Modem
Internal modems are available where approved

Toshiba Network Cards
SysLink E (Ethernet™ LAN)

Carrying Bag

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Dealer Stamp