

## Performance and Portability: The T1200XE - Xceptional Quality from Toshiba

Düsseldorf, Germany,  
Monday 12th February 1990

With 286 performance and notebook size, the new T1200XE laptop computer from Toshiba is another step forward on the journey to the ultimate portable computer. The T1200XE makes no compromises in performance, user friendliness or practical ease. At 310 x 290 x 50mm and 3.6kg, the T1200XE is big enough for easy use, with a full 84-key standard keyboard, an excellent sidelit screen, a 20MB hard disk and an Intel 80C286 microprocessor, yet still small enough to fall into the new category of notebook computers. Its sleek, attractive form is now recognisably typical for Toshiba, where "computers are made for people".

The T1200XE is an very effective tool designed for the needs of the modern professional. Its slim exterior hides an interior packed with advanced features found only on the most up to date laptops. The 80C286 processor, with a variable clock speed of 6/12 MHz, provides as much power as the majority of desktop systems nowadays, enabling the T1200XE to handle virtually all modern programs without delay. RAM starts at 1MB and is expandable to 5MB - perfect for demanding programmes like large spreadsheets. Storage is expanded with Toshiba's battery-backed Hard RAM, a fast silicon disk in RAM. All of this will be of great help for prospective users. Toshiba sees these as predominantly business professionals, managers who need to travel but still take their office files along, financial advisers, sales staff and others who, in daily contact with customers need speed and quality in keeping with their image.

But it's the viewing and using that put this laptop streets ahead of the current competitors. The T1200XE doesn't force users to adapt their computing habits: the keyboard has a familiar layout with, 84 full-sized keys, 12 dedicated function keys and an excellent tactile response; the exceptional clarity of the new sidelit Supertwist LCD screen will convince those users who believe portability means poor screen quality that this is a problem of the past. With its high resolution, excellent brightness and contrast control in all lighting conditions, it is yet another example of Toshiba's attention to detail. Measuring 20.5 x 12.5 cm and with 640 x 400 pixels, many computer users are going to ask why they ever considered any other computers in this class.

Advanced features are rapidly becoming standard for Toshiba laptops. The T1200XE incorporates all the latest developments in power saving ideas which really make Toshiba laptops portable. AutoResume™ mode means you needn't worry about batteries running out and so losing data. AutoResume saves all data automatically and when a new power source is switched on you return immediately to the place you left off, without data loss and without rebooting. MaxTime™ management saves further power by putting the display, microprocessor, hard disk, or modem to sleep when they're not needed, thus minimising battery drain.

The T1200XE is also equipped with Toshiba Hard RAM™ which permits the setting up of an additional battery backed storage space in RAM. As well as being faster than a mechanical hard disk, Hard RAM saves power by eliminating the power drain of using mechanical parts. The battery is of course removable and rechargeable, both inside the laptop or using the optional external quick charger. As a further helpful addition for mobile users the T1200XE has an in-built autosensing device for electricity power supplies between 100 and 240V AC. Power can be turned on as usual, it then adjusts the laptop accordingly.

Finally there's Toshiba's experience in the portable market to take into account. It's often the small things that make the most difference in everyday use; and so Toshiba knows what details are important to laptop users. Thus the diskette drive is on the side where its easier to get at in confined spaces, not at the front, and the cover is easily opened or closed with one hand, useful when the other one's full of papers or the like. The small rubber grip handle makes carrying easier and more comfortable, and to stop the laptop sliding around on slippery surfaces Toshiba engineers have added small rubber feet to keep it beneath your finger, where it belongs.

Appendix: Technical Details

ends

## Specifications

### Processor

Intel 80C286TM  
12 or 6 MHz

### Memory

1 MB RAM standard  
Up to 5 MB internally  
LIM/EMS 4.0 standard

### Storage

20 MB (25 msec) hard disk  
3.5" 720 KB/1.44 MB diskette drive  
Up to 4.4 MB fast battery-backed Hard RAM

### Display

High Resolution Supertwist sidelit LCD  
640 x 400 pixels

### Graphics Adapter

Toshiba graphics mode (640 x 400 pixel)  
Double-scan CGA compatible

### Interfaces

Parallel port for printer/external diskette drive  
One RS-232C serial port  
RGB (TTL) colour monitor port  
Numeric keypad port

### Expansion

Built-in dedicated modem slot

### Keyboard

Sculptured full-size 84 key keyboard  
12 function keys  
Integrated numeric keypad  
Dedicated cursor control keys  
Status LED's

### Operating System

MS-DOS 4.01  
MS-DOS 3.3 (optional)

### Size

310 x 280 x 50 mm (WxDxH)  
(12.2" x 11.0" x 2.0")

### Weight

3.6 kg (7.9 lb.)

### Power Supply

Runs up to two hours on one replaceable, rechargeable

Nickel Cadmium battery  
Autosensing 100-240V AC adapter for world-wide usage

## Power Saving Features

AutoResume™ mode for instant restart

Up to 4.4 MB battery-backed Hard RAM for fast storage

MaxTime™ Power Management:

CPU sleep mode, auto-power off for hard disk and display

## Options

Carrying bag

Internal 2 MB memory expansion kits

External 5.25" 360 KB diskette drive

Internal Hayes-compatible modem (where approved)

External numeric keypad

Quick battery charger

Extra battery packs