



apricot *XEN-i* XD HD



Apricot XEN-i combines the performance of Apricot XEN with full IBM® compatibility. It is capable of processing speeds 30% faster than its competitors, with an Intel™ 80286 processor running at 10 MHz. It retains the elegant style and small footprint which are

the hallmarks of Apricot, yet offers full expandability.

Two standard configurations offer 20 or 50 megabytes of internal disk storage, with either 1 or 2 megabytes of main memory.

SPECIFICATION

Multi-processor architecture

Intel™ 80286 running at 10MHz, switchable to 6MHz and 8MHz
7 channel direct memory processor – two Intel™ 8237 IC's
Optional Intel™ 80287 floating point processor

Memory

XEN-i HD 1 megabyte
XEN-i XD 2 megabytes
Above memory page mapper to Intel™/Lotus™/Microsoft® standard

Memory expansion

Up to 5 megabytes internally
Up to 11 megabytes using optional XP-i expansion box

Mass storage

On-board drive controllers
1.2 megabyte 5.25" floppy drive
XEN-i HD 20 megabyte (nominal) 3.5" hard disk
XEN-i XD 50 megabyte (nominal) 3.5" fast-access hard disk

Optional mass storage expansion

External 1.2 megabyte 5.25" floppy drive
External 20 megabyte tape drive

Ports

RS232 synchronous serial port (9-way Dee)
Centronics parallel port (unidirectional – 25-way Dee)
Floppy/tape drive port (34-way IDC connector)
IBM® mono video connector (9-way Dee)
Apricot mono video connector (9-way Dee)

Optional communications

XEN-TEL
Apricot Internal Modem with PX adaptor
Communiqué

Hardware expansion

One internal PC and two internal AT expansion slots
Optional XP-i expansion box – three PC or AT expansion slots
PX adaptor for Apricot compatible expansion cards

Keyboard

101 key IBM® AT compatible keyboard with DIN connector.
10 function keys
Backlit MicroScreen
Apricot mouse port

Sound

One tone channel

Monitor options

12" monochrome paper-white monitor:
720 x 350 pixels – text mode
720 x 348 pixels – Hercules™ graphics mode
12" CGA mid-resolution colour monitor:
640 x 200 pixels (16 colours text mode)
640 x 200 pixels (2 colours graphics mode)
12" EGA high resolution colour monitor:
640 x 350 pixels (16 colours)
720 x 350 pixels – text mode
720 x 348 pixels – Hercules™ graphics mode

Dimensions (d x w x h, mm)

12" paper-white monitor: 395 x 310 x 295
12" mid-res colour monitor: 395 x 310 x 295
12" high-res colour monitor: 384 x 332 x 290
Systems unit: 380 x 370 x 105
Keyboard: 195 x 465 x 55
Power supply unit: 310 x 142 x 110

Weight

12" paper-white monitor: 8kg
12" mid-res colour monitor: 10.5kg
12" high-res colour monitor: 11kg
Systems unit: 6kg
Keyboard: 1.75kg
Power supply unit: 3kg

Power supply

135W external power supply with remote switching

Inclusive software

Phoenix ROM BIOS, MS-DOS™ 3.2 plus all utilities, MS Windows incl. MS Write, MS Paint Calendar, Card Index, Notepad, Clock, Calculator, Terminal and Reversi, GW-BASIC, GEM™ Application Support (AES, VDI), Apricot utilities incl. Archive, Windisk, Format, FDISK, MicroScreen editor.

APRICOT XEN-i

Processing power

XEN-i uses the Intel™ 80286 processor running at 10MHz – giving performance far ahead of its major competitors. And for software which can't handle this level of performance, the speed can be switched to 6 or 8 MHz.

7 channels of Direct Memory Access ensure that the main processor is used to the full, and for numerically intensive applications the Intel™ 80287 floating point processor is available from Apricot as an option.

Operating systems and environments

Apricot XEN-i uses MS-DOS™ – the world standard PC operating system, while the Microsoft® Windows graphics interface improves the functionality of MS-DOS™ – hiding the complexities of the operating system from the first-time user. And Windows adds a new dimension – multi-tasking. Several tasks can be up and running on screen at the same time.

Optional Xenix® system software allows up to 16 users to work with XEN-i simultaneously, and can make full use of the XEN-i's maximum of 11 megabytes of memory.

Memory and storage

The Apricot XEN-i HD has a 20 megabyte internal Winchester disk, with 1 megabyte of main memory, while the XEN-i XD has 2 megabytes of memory with a 50 megabyte fast access hard disk.

Internal system RAM can be expanded to 5 megabytes, with an extra 6 megabytes accessible via the XP-i expansion box.

In MS-DOS™, the 640K limit which can seriously restrict normal PC's has been broken by integrating an Above Memory Mapper which designates the top of the system RAM as "above memory," allowing it to be used as additional data space. For full compatibility with the world's leading software, the above memory page mapper has been designed to the Lotus™/Intel™/Microsoft® standard.

Apricot XEN-i has an IBM® compatible 1.2 megabyte 5.25" floppy disk drive. A second external 5.25" floppy drive can also be added, while an optional external tape drive allows the user to make a complete back-up of the hard disk in minutes.

Expansion

Most of the IBM® PC/AT's expansion features come as standard on Apricot XEN-i, but there are 3 internal expansion slots which give access to specialist communications and graphics hardware. The optional XP-i expansion box enables a further three full-size IBM® cards to be added.

And the Apricot PX adaptor allows you to use Apricot compatible expansion cards such as the Apricot internal modem.

Display features

XEN-i includes support for both IBM® text and Hercules™ graphics modes. It can drive the Apricot paper-white monitor, or any IBM® compatible monochrome monitor.

Optional EGA and CGA cards support an alternative range of text and graphics modes in up to 16 colours using the IBM® enhanced graphics and colour graphics standards.

Keyboard and mouse

The fully compatible XEN-i keyboard has 101 keys – including separate keypad and cursor keys – and a backlit Apricot MicroScreen which acts as a clock, calculator, and dynamic function key labelling device. Other IBM® compatible keyboards – including the IBM® 3270 keyboard – can also be connected to XEN-i.

The Apricot mouse operates in conjunction with XEN-i's Microsoft® Windows graphics interface for simple point-and-click control – even of complex multi-tasking operations.

Printers and communications

XEN-i's integral serial and parallel ports allow you to drive any printer, including laser printers – and use plotters, phototypesetters, digitisers and graphics tablets.

The Apricot internal modem gives access to the world of data communications, offering remote communications, electronic mail and access to the world's online information services – including Telecom Gold™, Prestel™ and telex.

And a host of terminal emulation and file transfer packages allow XEN-i to link up with almost any other computer.

Apricot XEN Multi-User

Apricot XEN-i, like any Apricot or IBM® PC can act as a workstation on the Apricot XEN Multi-User system. And an IBM® compatible diskless XEN-i Workstation with 640K of RAM sets new standards of price-performance in multi-user computing.

Compatibility

Apricot XEN-i is fully IBM® compatible, yet sacrifices none of the Apricot hallmarks of speed, power, performance and style.

More than 30% faster than IBM's latest top-end contender, Apricot XEN-i offers more expandability, while incorporating features as standard which are costly extras on the IBM®.

XEN-TEL

Apricot XEN-TEL adds the function of telephone management to XEN-i's wide range of features. With XEN-TEL, XEN-i can dial and organise a whole list of calls for you – even while you are using another applications program.



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