PC EMULATOR

In addition to the fast, powerful system that comes as standard with ARCHIMEDES, you can now run MS-DOS by using the PC Emulator. In business, MS-DOS is the most popular operating system and provides access to many thousands of applications programs.

FEATURES

- Designed for a 1Mbyte (or greater) RAM system.

- On ARCHIMEDES 310, a workspace equivalent to that of a 512K PC is provided.

- On ARCHIMEDES 440, workspace is limited by MS-DOS and is similar to that of a 640K PC.

- Emulates the 8088 processor, PC clone keyboard, printer and serial ports, timers and Microsoft mouse.

- Supports CGA graphics and the IBM 720K 3.5″ disc format.

- A hard disc can be partitioned for use with both MS-DOS and Acorn ADFS.

- Applications supported include: Lotus 1-2-3, Symphony, MS Word, DBase III, Flight Simulator, GWBASIC, Sidekick, Supercalc 4 and most other MS-DOS applications.

PRODUCTIVITY

Probably the most popular applications programs used on business PCs include word processors, spreadsheets, databases and their associated graphics packages. The PC Emulator gives you access to the same programs that you might wish to use on an IBM or similar PC. Products such as Lotus 1-2-3, Symphony, MS Word and DBase III are just some of the well established and proven programs that can also be run on ARCHIMEDES using the PC Emulator. The choice is yours . . .

HOW DOES IT WORK?

The PC Emulator creates an environment, by means of software, that enables ARCHIMEDES to behave like a PC used in business. The massive speed of the RISC processor used at the heart of ARCHIMEDES makes this possible to a degree never achieved before at the price. So good is the emulation that ARCHIMEDES with the PC Emulator achieves better compatibility than some other PC compatibles which only run MS-DOS.

HOW EASY IS IT TO USE?

The PC Emulator consists of a pack containing two 3.5″ floppy discs and simple instructions for its use. The first disc, the Emulator itself, is loaded under the normal ARCHIMEDES operating system. This disc creates an environment similar to an 8088 based PC. The displayed message then invites the user to load the second disc. This disc is a standard MS-DOS 3.21 system disc. When loaded, the user is presented with a screen display and prompt that would be expected on a typical PC. The system is then ready to load the desired application program.

HOW COMPATIBLE IS IT?

What do we mean by compatibility? It is the ability to take a standard MS-DOS application program designed for an IBM PC or similar product and run it on ARCHIMEDES using the PC Emulator software. In most situations, all you will need to consider is the disc size. This needs to be the new 3.5″ size rather that the 5.25″. This latest disc standard is used on the new IBM PS/2 range, many of the newer PCs and most portables. The PC Emulator uses exactly the same IBM 720K disc

format as do most 3.5" disc-based PCs, so you will normally be able to exchange discs you have created between the PC Emulator and an IBM PS/2 Model 30, for example.

Installation and use of an application program should normally present few problems. Just install the program as if you had an IBM PC with a CGA graphics card. Even the ARCHIMEDES keyboard is matched to your needs; simply use the 'enhanced PC keyboard layout template' that most programs will provide in the pack.

APART FROM BUSINESS, WHERE ELSE CAN I USE IT?

There are many specialist application programs well suited to run using the PC Emulator in scientific and technical areas. Here they will be complementary to the other applications that the ARCHIMEDES native operating system, ARTHUR, supports with its 'state-of-the-art' power.

An introduction to business productivity tools may be relevant as part of vocational education in schools and colleges. ARCHIMEDES is ideal in this area as it provides a breadth of versatility for every educational need, with the added ability to run business software via the PC Emulator.

In the home, ARCHIMEDES scores again. The original Model B micro was born as part of the BBC Computer Literacy Project. The Z80 Second Processor was produced as an upgrade to introduce home users to the CP/M operating system and its range of business applications–the system of choice in business at that time. Now, with the PC Emulator, you again have access to the world of business software, without excluding yourself from the many other programs that are available to run under ARTHUR.