ACORN
PRODUCT INFORMATION

SOFTWARE

Supplied as standard:

- ▶ RISC iX operating system: Berkeley standard distribution 4.3, 1–2-user license
- ▶ demand paged virtual memory
- ▶ C shell and Bourne shell
- ▶ Berkeley toolkit
- ▶ TCP/IP with Berkeley networking commands
- ▶ uucp, telnet, ftp, micro-Emacs, Kermit
- ▶ SVID Kernel extensions (KE_OS)
- ▶ Full ANSI C compiler
- ▶ pcc compatibility mode for non-ANSI code
- ▶ NFS 3.2, Yellow Pages

- ▶ Programmer's and documenter's tools
- ▶ Special features give:

  efficient use of memory including file compression for disc storage

  end-user system administration

  virtual terminal interface with VT220 terminal emulation

- ▶ X Window System, Version 11 release 2 and 3
- ▶ awm, twm, uwm and wm window managers
- ▶ X.desktop from IXI Limited
- ▶ RISC OS operating system:

  including application suite and manuals

SYSTEMS

Featuring Acorn's award-winning 32-bit RISC (Reduced Instruction Set Computer) processor, the R140 is the first in a series of Acorn UNIX workstations and combines processing power, inbuilt data storage and Berkeley UNIX software, multi-tasking, windowing and graphics. The R140 is fully configured and comes complete with twelve months telephone hot line support and on-site maintenance.
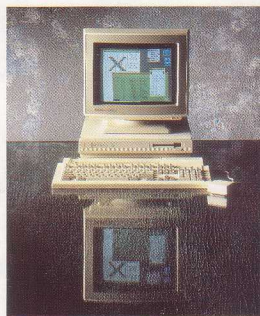
The R140 can be used as a low-cost standalone system or when networked can be connected to existing workstations, PCs, minis and mainframes. Used in a network, Acorn R140 workstations add processing power, increase data storage and supply graphics capability.

R140 Workstation
R140 Base System

A full range of documentation is also available. Please ask your R140 dealer for details.

OPTIONS

- ▶ Floating Point Expansion Card
- ▶ Ethernet Expansion Card
- ▶ PC Emulator
- ▶ SCSI Expansion Card
- ▶ Econet Module
- ▶ RISC iX Binary Extensions

APPLICATIONS

Especially effective in office automation, financial information and services, education, research, government, defence, CASE (computer aided software engineering), and manufacturing automation.

ARCHIMEDES

printers, modems and peripherals. The 410/1 has a full 1 Mbyte of RAM with RISC OS held in 0.5 Mbyte of ROM making more RAM available for applications and data.

The Archimedes 420/1 computer combines all the features of the 410/1 model but with 2 Mbytes of RAM and an internal 20 Mbyte hard disc.

The Archimedes 440/1 model is the flagship of the 400/1 range and features a 50 Mbyte hard disc (formatted) and 4 Mbytes of RAM.

Archimedes 410/1
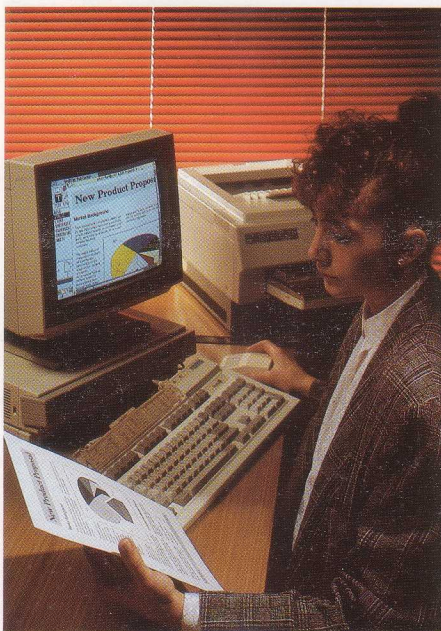**Archimedes 420/1**
Archimedes 440/1

OPTIONS

From Acorn:

▶ Archimedes Colour Monitor
▶ Hard Disc (Archimedes 410/1)
▶ Econet Module
▶ PC Emulator
▶ I/O Expansion Card
▶ ROM Expansion Card
▶ Floating Point Co-Processor Card
▶ MIDI Expansion Card
▶ SCSI Expansion Card

From Third Parties:

▶ High Resolution, Multi-scan Colour Monitor
▶ Ultra-high Resolution Mono Monitor
▶ Low-cost Composite Video Mono

APPLICATIONS

With a vast selection of software already published, the Archimedes system performs equally well in business, professional, educational, medical, scientific and research environments. The system is also especially useful to those who develop their own software since programs written using the Archimedes computer generally outperform those written on ordinary micros. In addition, its low cost puts professional processing power within the reach of the home user.

SYSTEMS

The Archimedes range sets new standards of productive performance combined with ease of use. Sharing the award-winning Acorn RISC Machine central processor, the Archimedes 400/1 series offers a range of specifications with the advantage of easily fitted upgrade options. As a result, you can select the Archimedes model best suited to your immediate needs and budget, and upgrade if and when required.

The Archimedes 400/1 series workstations benefit from Acorn's latest technological developments, including a 10% increase in the already amazing processing speed, and feature Acorn's multi-tasking RISC Operating System (RISC OS). The windows, icon, mouse and pointer interface makes the Archimedes system very easy to use, whilst at the same time offering a speed of execution that experienced users will appreciate.

All Archimedes models feature a three-button mouse, a 103 key 'enhanced PC' style keyboard, and both serial and parallel interface ports for connection to

A full range of software is available for use on all Archimedes and A3000 systems. This includes:

▶ Acorn Desktop Publisher
Use Acorn Desktop Publisher to create any printed material you choose, and make it look completely professional. Newsletters, notices, price lists, posters, course notes, leaflets, programmes, manuals – the list is as long as your imagination.

▶ PC Emulator
PC Emulator creates an environment that enables the Archimedes system to behave like a PC compatible with obvious attractions in business applications. The speed of the RISC processor achieves this without the need for expensive or complicated software. The PC Emulator comes complete with MS DOS 3.21.
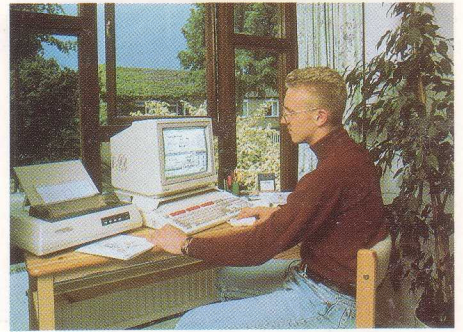
A3000

SYSTEMS

The A3000 is an immensely adaptable, exceptionally powerful computer with a 3½″ floppy disc drive and 1 Mbyte of RAM as standard. It matches and exceeds the power of some of the most widely used professional computers at a cost that puts it firmly in the home computer price range.

Designed to use the phenomenal power of Acorn's 32-bit RISC processor, the A3000 shares many sophisticated features with the Archimedes 400 series such as a 103 key 'enhanced PC' keyboard, a 3-button mouse, windows and multi-tasking.

But the real beauty of the A3000 is its versatility and ease of use. With painting, drawing and text editing applications supplied with the machine, there is immediate access to a useful and stimulating environment. The mouse and pointer system make it easy to create diagrams and illustrations and a wide variation of tone and shading can be achieved.

Try using your A3000 for spreadsheet calculations or to build up a database. Develop from word processing to desktop publishing or explore the fascinating world of computer aided design. You can even compose music on your A3000! With the A3000, the emphasis is on practicality, education and fun.

SOFTWARE

▶ 1st Word Plus
This professional word-processing package features automatic back-up facility, windows which allow editing and copying of up to four different documents at the same time, 40,000 word spelling checker, impressive choice of typestyles, graphics integration, mail and database merge and instant confirmation on the screen of the effect you have chosen.

▶ ANSI C (Release 2)
▶ ISO-Pascal (Release 2)
▶ FORTRAN 77 (Release 2)
▶ Software Developers' Toolbox
▶ Assembler
▶ Logistix
▶ Twin
▶ Zarch

▶ LISP
▶ Prolog
▶ Conqueror
▶ ViewSheet
▶ ViewIndex
▶ ViewStore
▶ ViewSpell
▶ View
▶ Comal

All the software packages listed above are supplied by Acorn. In addition to these a wide range of third party software is available for use with Archimedes and A3000 computers. Please ask your dealer for details.

OPTIONS

From Acorn:
▶ Memory Upgrade to 2 Mbytes of RAM
▶ MIDI/User Port Internal Expansion Card
▶ Serial Port
▶ Econet Module
▶ ROM Expansion Card
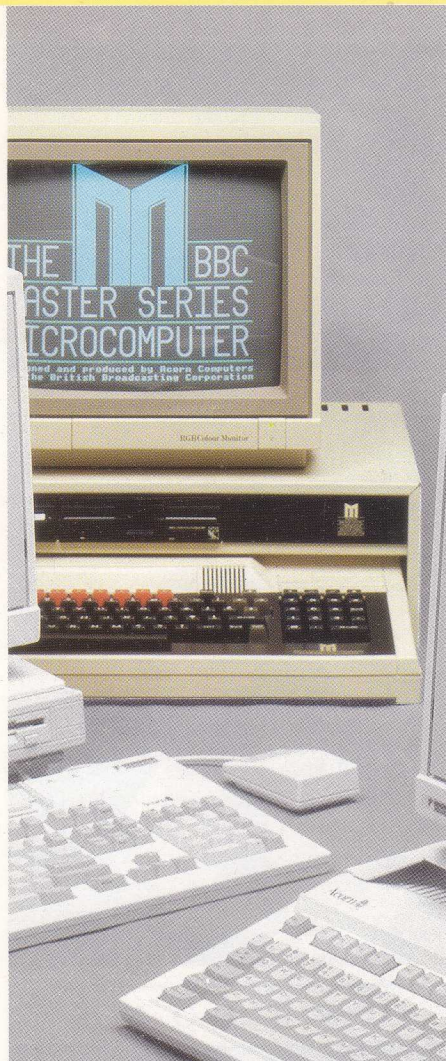▶ Colour Monitor
▶ Monitor Stand

From Third Parties:
▶ External Hard Disc
▶ Second Floppy Disc Drive

APPLICATIONS

Ideal for use in primary and secondary education, in small businesses and at home. Low cost introduction to professional word processing, spreadsheet calculations, database systems, graphics and desktop publishing. Can also be used for computer games and computer-generated music.

MASTER

SOFTWARE

- ViewSpell ROM
- Printer Driver Generator Disc
- ViewIndex
- ViewPlot
- OverView
- ViewStore ROM
- LISP ROM
- LISP Cartridge ROM
- Forth ROM

- MicroProlog ROM
- ISO-Pascal ROM
- ISO-Pascal S.A.G. Disc
- C
- Comal
- 6502 Development System
- BASIC Editor ROM
- Master Termulator
- Micros in Business

There is also available a wealth of third party software.

SYSTEMS

This extremely versatile, highly reliable machine is a development of the highly successful BBC Model B microcomputer, which is in widespread use in schools, homes and scientific establishments both in the UK and internationally.

The Master 128 can be used just as it is for word processing, budgeting, planning, estimating, computer aided drawing and general computing, or used with some of the vast range of available add-ons, peripherals and software to perform an endless number of tasks.

Master 128

OPTIONS

- Master Turbo Module
- Master Econet Module
- Master EPROM Cartridge
- Universal Second Processor Unit

APPLICATIONS

Ideal for use in small businesses, in education, in research and technology and at home.

ECONET LOCAL AREA NETWORK

The Econet Starter Kit contains most of the components you need to start up your network of microcomputers. Detailed fitting instructions are included in the kit. For maximum efficiency it is recommended that a single network should not exceed 500 metres in length. However longer distances can be covered by joining networks using an Econet bridge. Using this method there is little restriction on length.

Filestore provides advanced and extensive File server and printer server facilities to Econet system users. Filestore E01S can act as the core unit of a network or plug straight into an existing network to provide extra capacity. Mass data storage on hard disc is provided by connecting Filestore E40S or E60S units with 40–60 Mb respectively which can be added as demand for storage capacity grows.

In general, local area networks (LANs) link computer systems together so that users can communicate rapidly with one another, have access to the same information and share the use of expensive peripheral equipment such as laser printers.

Acorn's networking system – Econet – is one of the more widely used networks. Well over 12,000 Econet LANs have been installed around the world.

PRODUCTS

- ▶ Filestore E01S
- ▶ Filestore E40S (40 Mb)
- ▶ Filestore E60S (60 Mb)
- ▶ Archimedes/Master Econet Module
- ▶ 100 m Cable
- ▶ 10 stn Lead Set
- ▶ Econet Starter Kit
- ▶ Econet Bridge
- ▶ Econet Socket Kit
- ▶ Printer Server EPROM
- ▶ DOS + Econet Software

APPLICATIONS

The Econet system is indispensable where a number of computer users need to share software or make use of the same stored data. It is also the best way to make use of shared resources such as printers, and provides instant communication with others on the network via 'electronic mail'. Typical applications include use in schools, colleges, universities, offices, hospitals and factories. This is achieved at a fraction of the price of many other networking systems.

Every effort has been made to ensure that the information in this leaflet is true and correct at the time of printing. However, the products described in this leaflet are subject to continuous development and improvement and Acorn Computers Limited reserves the right to change their specification at any time. Acorn Computers Limited cannot accept liability for any loss or damage arising from the use of any information or particulars in this leaflet.

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