ACORN
PRODUCT INFORMATION

Acorn
The choice of experience.

R140

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
▶ awm, twm and uwm 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 with telephone hot line support and on-site maintenance.
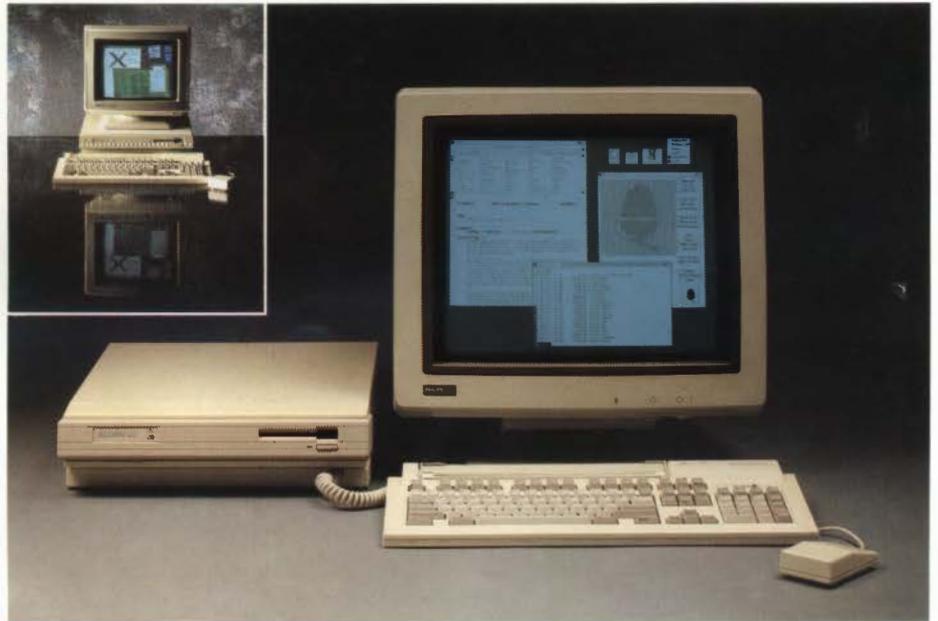
R140 can be used as a low-cost standalone system or when networked can be connected to existing workstations, PCs, minis and mainframes. Used in a network, Acorn R140 workstations add processing power, increase data storage and supply graphics capability.

R140 Workstation
R140 Base System

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

OPTIONS
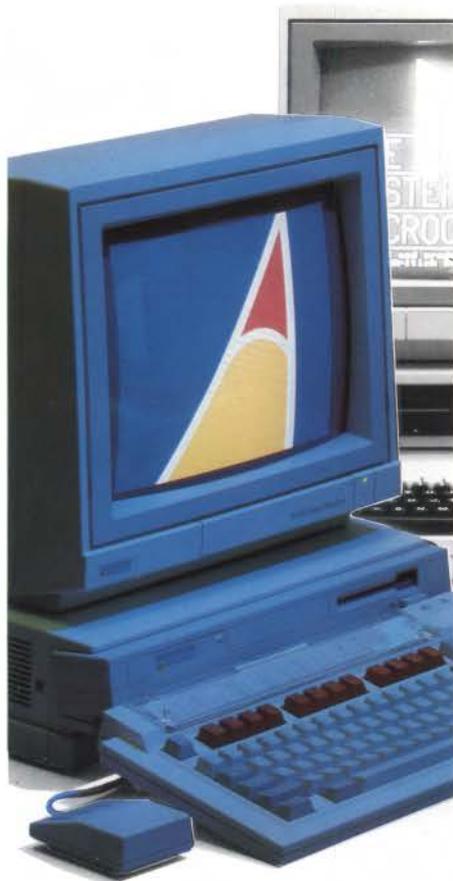
▶ Floating Point Expansion Card*
▶ Ethernet Expansion Card
▶ PC Emulator
▶ SCSI Expansion Card*
▶ Econet Module

* Available Q2 1989

APPLICATIONS

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

ARCHIMEDES

The Archimedes range of microcomputers represents a breakthrough for the UK in the application of RISC technology to personal computing. This advanced technology results in low-cost, easy-to-use, powerful computers with exceptional processing speeds.

Following its launch, the Archimedes system was selected for the British Microcomputing Awards 'Micro of the Year' title, and has also received the Electronics Industry TOBIE award for Best New Technology Application of the Year.

Apart from the revolutionary 32-bit RISC technology, each Archimedes system features an 'enhanced PC' style keyboard with 3 button mouse; the superb easy-to-use RISC OS multi-tasking graphics-based user interface; a host of software applications and utilities and the structured programming language BBC BASIC V. The Archimedes 300 series is the latest generation of BBC micros and has 1 Mbyte of RAM, 0.5 Mbyte ROM containing the operating system, and a single 1 Mb (unformatted) 3½″ disc drive. A second floppy drive or hard disc may also be added internally. The Archimedes 310M includes the PC Emulator as standard and puts the worldwide library of PC compatible software at the user's disposal.

The Archimedes 400 series combines the proven advantages of large scale processing capability with the additional benefit of access to large memory (up to 4 Mbyte) and data storage. The Archimedes 440 takes the user forward to new levels of professional computing ability. A four-slot backplane for plug-in cards gives increased expansion capability, allowing connection to a wide range of information and control systems. Four Mbytes of fully addressable RAM and 20 Mbytes of 1:1 interleave fast-access hard disc data storage match the processing power of the Archimedes cpu to give outstanding program execution speed. High resolution monitors demonstrate the Archimedes system performance in the most demanding graphics applications.

Archimedes 310
Archimedes 310 Colour System

Archimedes 310M
Archimedes 310M Colour System

Archimedes 410*
Archimedes 410 Colour System*

Archimedes 440
**Archimedes 440 Colour System**

* Available Q2 1989

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

▶ PC Emulator
Designed for Archimedes machines with 1 Mbyte RAM or more, PC Emulator creates an environment that enables the Archimedes computer 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 hardware.

▶ 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
▶ 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 computers. The Archimedes range is also supported by comprehensive documentation. Please ask your dealer for details.
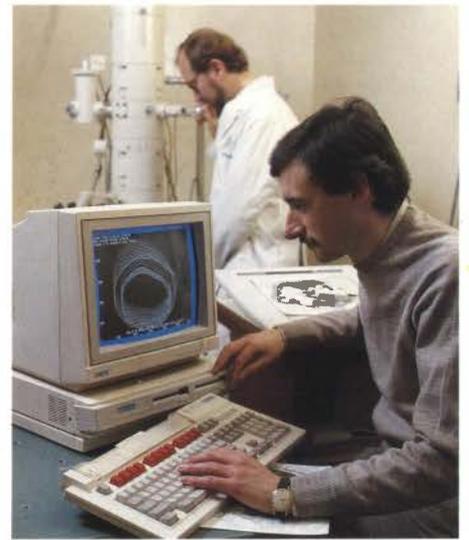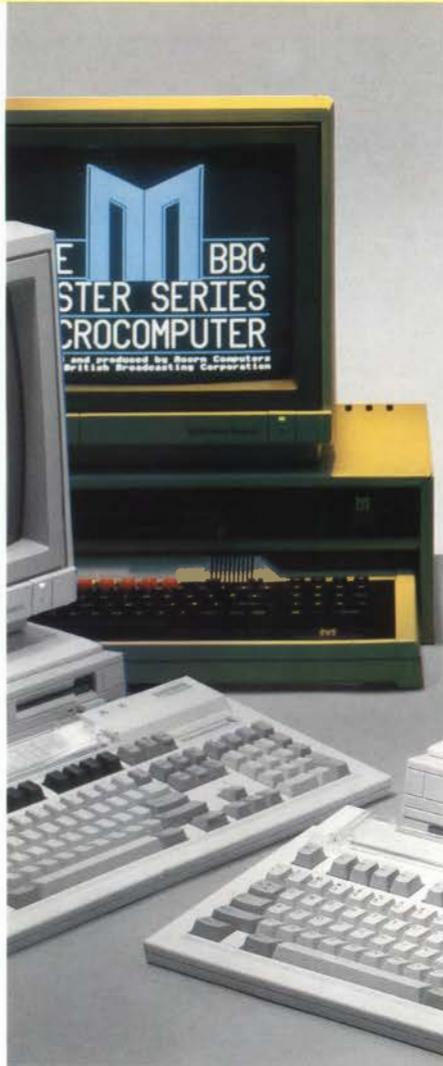
OPTIONS

▶ Backplane for Expansion Cards
▶ ROM Expansion Card
▶ I/O Expansion Card
▶ MIDI Add-on to I/O Expansion Card
▶ MIDI Expansion Card
▶ Econet Module
▶ Floppy Disc Upgrade
▶ 20 Mbyte Hard Disc
▶ RISC OS Upgrade
▶ PC Emulator
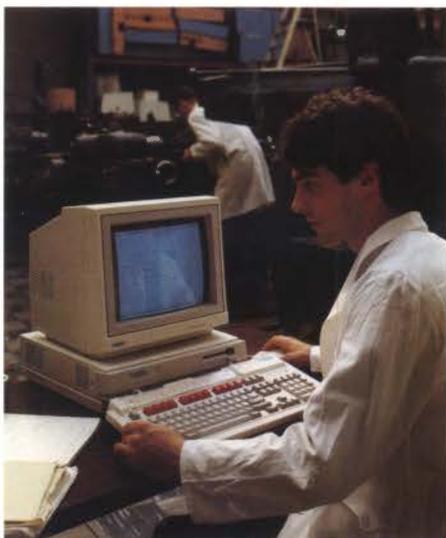
APPLICATIONS

With a vast selection of readymade software already published, Archimedes computers perform 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 an Archimedes computer generally outperform those written on ordinary micros. In addition, its outstanding price performance advantages puts professional processing power within the reach of the most budget conscious user.

MASTER

OPTIONS
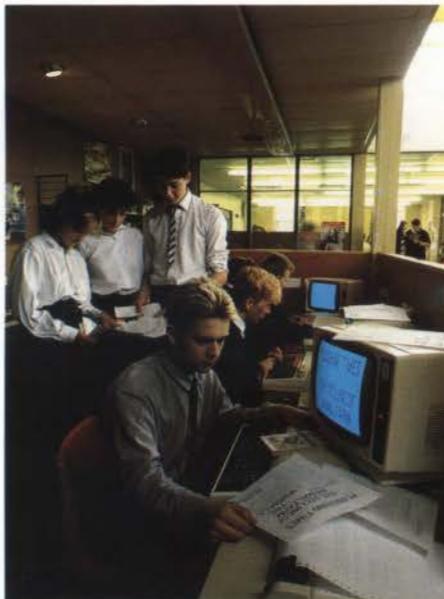
- Master Turbo Module (Master 128)
- Master Econet Module
- Master EPROM Cartridge (Master 128)
- Universal Second Processor Unit (Master 128)
- RS232 Kit (Master Compact)
- Additional Floppy Disc Drive (Master Compact)
- Pal TV adaptor (Master Compact)
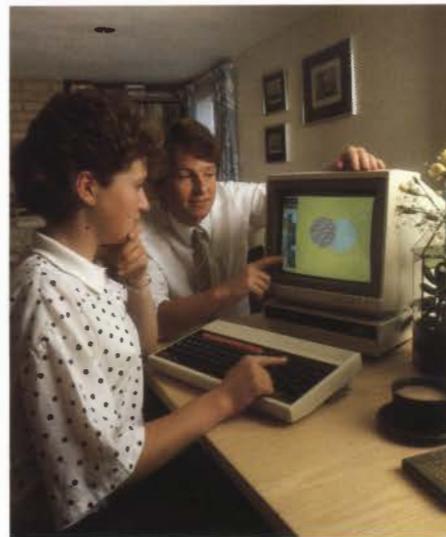
SOFTWARE

- ViewSheet (Master Compact)
- ViewStore (Master Compact)
- ViewStore ROM (Master 128)
- ViewSpell (Master Compact)
- ViewSpell ROM (Master 128)
- Printer Driver Generator Disc (Master 128)
- ViewIndex
- ViewPlot
- OverView
- LISP ROM (Master 128)
- LISP Cartridge ROM (Master 128)
- LISP Disc (Master 128)
- Forth ROM (Master 128)
- MicroProlog ROM
- ISO-Pascal ROM

- ISO-Pascal S.A.G. Disc
- C (Master 128)
- Comal (Master 128)
- 6502 Development System (Master 128)
- BASIC Editor ROM (Master 128)
- Master Termulator
- Acom
- Supastore Database (Master 128)
- Supastore pack of 5 EPROMs
- Tree of Knowledge Disc (Master 128)
- Microtext Run Time ROM (× 10) (Master 128)
- Micros in Business (Master 128)

There is also available a wealth of third party software.

SYSTEMS

This range of extremely versatile, highly reliable machines 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.

Either computer 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
Master Compact Entry System
Master Compact TV System
Master Compact Colour System

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 most 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

SOFTWARE

- Supastore Database
- Supastore pack of 5 EPROMs

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.