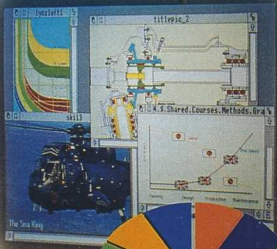world class **solutions**

Acorn Computers
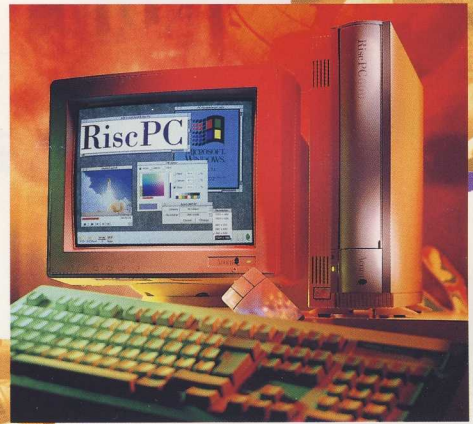
*Product
information*

NEW
networking
products

Acorn

As the world's first supplier of low cost 32-bit RISC-based personal computers, Acorn is unique in its experience of developing and implementing affordable, robust, computer solutions which, as other manufacturers are now realising, point the way forward for personal computing.

Since 1987, Acorn has sold hundreds of thousands of powerful computer systems, enabling millions of users to experience and enjoy the benefits of RISC OS, Acorn's powerful yet easy-to-use operating system.

Acorn's latest Risc PC range is the most powerful product to date at a remarkably affordable price. It allows increasing interconnection and networking with other technologies and products, and its modular design and architecture provides unlimited potential for upgrading to and benefiting from technologies of the future.

For portability, the new Acorn Pocket Book II, developed through our relationship with Psion, is the truly personal computer for education and the professional user.

The Acorn Computer Group is a world class company, providing world class technology for world class users.

Risc PC600 Series

This superb, high-performance RISC-based desktop computer has been universally acclaimed by independent sources as the most innovative product to be seen for many years.

Outstanding video, audio and graphics manipulation capability place it at the forefront, making it an obvious choice for the discerning user.

The ability to run PC applications at 486 speeds, with the highly innovative Risc PC 486 Card connected to the Open Bus slot, means users can take advantage of virtually all applications in the PC world whilst retaining all the state-of-the-art features of the Acorn desktop environment.

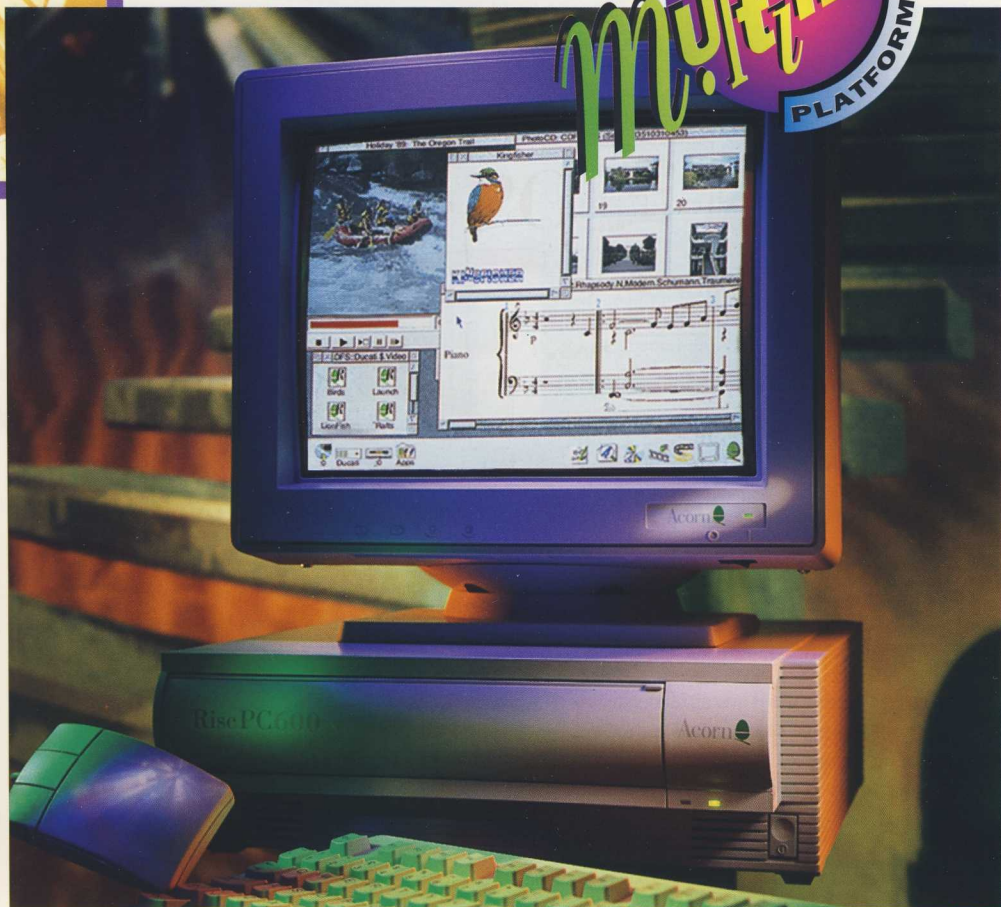Acorn's Risc PC 486 Card is the lowest cost PC capability on any RISC platform in the world.

MODELS

Risc PC 2MB HD 210
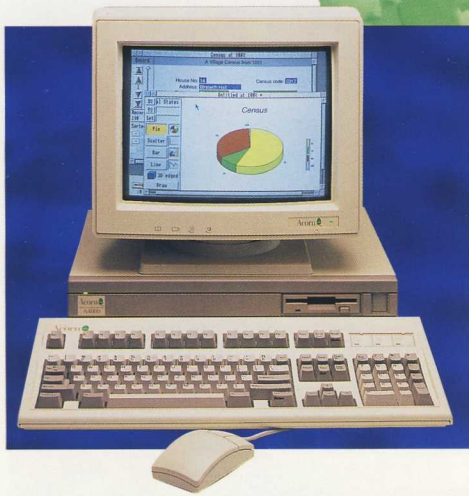**Risc PC 5MB HD 210**
Risc PC 9MB HD 420

Risc PC600 CD-ROM Systems

Multimedia systems exploit text, graphics, audio and video. CD-ROM is by far the most popular way of providing applications of this type and this Risc PC CD-ROM system comes with a market leading integral CD-ROM drive.

- Double speed internal CD-ROM drive with combined CD and computer audio.

- Lightning fast manipulation of still and moving images.

- High performance multi-channel stereo sound as standard.

- Expansion capabilities make it ideal for storing network resources.

OS. A multi-tasking operating
n which is intuitive and easy to use.
is widely regarded as the way forward for
uter technology.

Acorn A4000 Series

- Combines the flexibility of a professional style system with all the benefits of running thousands of RISC OS software titles.

- The A4000 is the ideal system for use in a whole range of situations in schools and higher education, such as IT rooms and departmental clusters, as well as for individual use.

- The large and fast hard drive provides sufficient storage to meet the needs of the most demanding users.

- Allows the use of a wide range of low-cost interface cards designed to expand the machine for more specialist purposes.

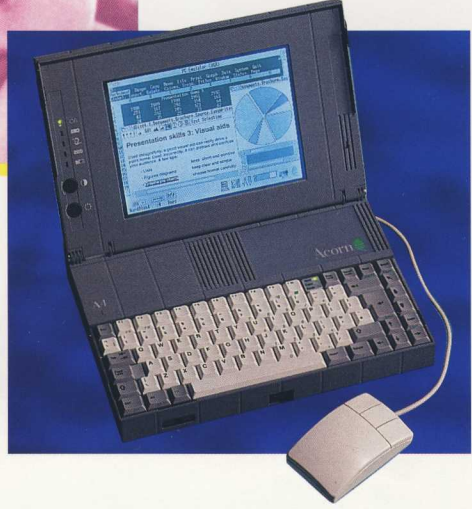- Particularly suitable for secondary level clients in a client/server network.

Acorn A3020 Systems

- The space-saving two-box design and robust construction make the A3020 ideal for introductory use, particularly by young children, and in IT rooms where space is limited.

- Optional, additional memory and a hard disc allow better use of the whole world of RISC OS applications – providing some of the best curriculum software in the world.

- Even with the internal hard disc and network options fitted, overlay keyboards, scanners and other devices are still supported through an optional internal interface card.

- Easy-to-learn 'windows and mouse' system – no computer codes or complicated commands.

- Excellent entry level product for peer-to-peer networking or as a client in a client/server network.
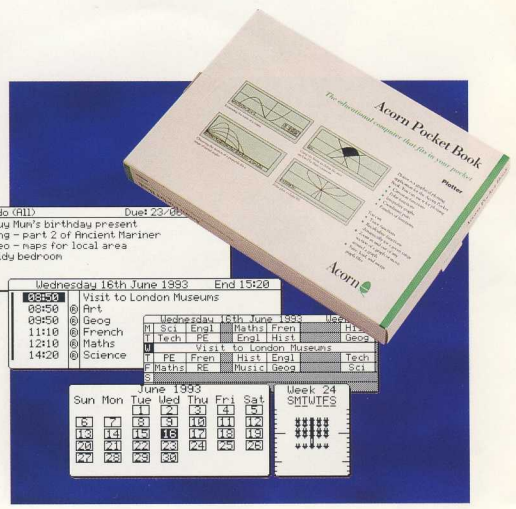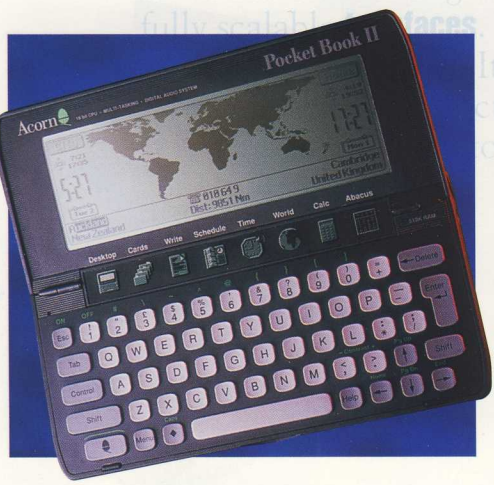
Acorn A3010

- Designed for those taking their first steps into computing, this powerful 32-bit product provides all you or your children need to start.

- Standard joystick ports and Acorn's computer power let you take up the challenge of the latest computer games.

- Integral floppy disc drive, a suite of software and 3-button mouse.

- Complete with a suite of applications for text, drawing, painting and music.

Acorn A4 Portables

- Provide the power, where and when you need it, with all the advantages of 32-bit RISC computing power, in a notebook format.

- Aid professional development by giving staff access to RISC OS software or productivity packages at home or on the move.

- The practical tool for field work or in the community, where data needs to be collected or shared by others.

- An invaluable personal aid for students, those with special needs, or anyone who requires mobile and constant access to computing power.

- Can be networked via Econet and Ethernet and used with dial-up modems.

Acorn Pocket Book II

- The truly personal computer for all. Ensures you have immediate access to IT resources whenever and wherever you want to use them.

- A comprehensive set of eleven built-in, ready-to-run, multi-tasking applications provides all the basic tools for organising and recording ideas, notes and data.

- These include Write (word-processor), Abacus (Lotus 1-2-3 compatible spreadsheet), Calc (scientific calculator), Cards (database), Schedule (diary and planning application) and Time, plus Spell (spelling checker and Thesaurus) and Plotter (a graph plotter which removes the need for a separate graphical calculator).

- The robust, portable case, long battery life and back-up battery, and range of peripherals including links to desktop systems (whether PC, Apple or Acorn) equip Pocket Book II for the practicalities of life.

Acorn Pocket Book Peripherals

- Desktop links connect Pocket Book II to Acorn 32-bit computers, PC compatibles and Apple Macintosh, providing a quick and easy way of transferring work and data between the two. This extends both the power of the Pocket Book and the range of the desktop computer.

- The Parallel Link connects Pocket Book II to a wide range of standard printers.

- Up to 4MB of additional space for storing information is provided by SSDs (Solid State Discs). A cost-effective mechanism for material you need to access frequently but seldom change, such as software programs, resources and personal files on which you are currently working.

- All the expansion devices work on both the Pocket Book and Pocket Book II.

Acorn Universal Networking

Acorn Universal Networking

(AUN) is a continually developing

set of products, designed to

meet the requirements of Acorn's

changing and expanding user

base and to make use of new

technologies as they develop.
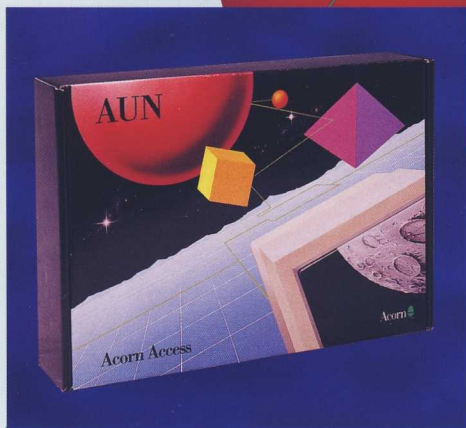
AUN will continue to evolve as

network technologies become

more advanced bringing areas

such as networked Full Motion

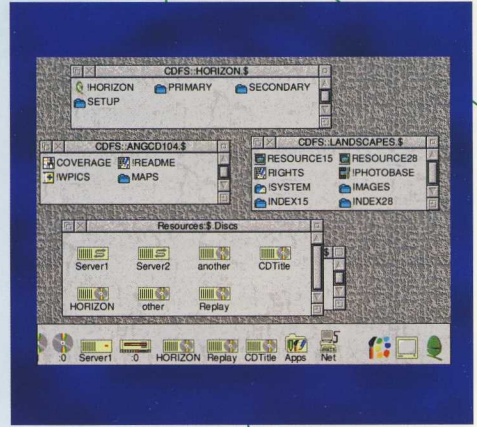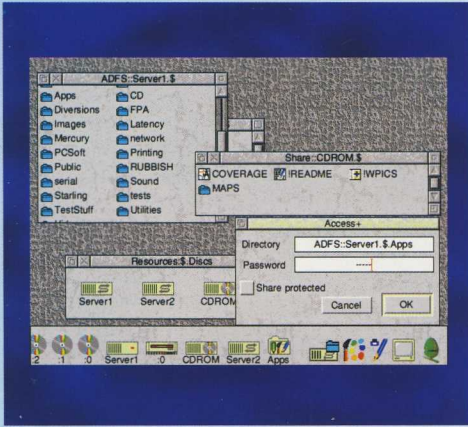Video (FMV), multimedia and the

Information Superhighway to the

desks of Acorn users.

Acorn Access Release 2

- Simple, easy-to-use networking
- Efficient sharing of hard discs and printers through the use of industry standard Ethernet.
- All the requirements to set up a small local area network, with the option to expand to one covering an entire site if required.
- Peer-to-peer sharing of CD-ROMs, with the option to share CDs over an entire site of computers.
- Allows simultaneous access to shared CD-ROMs.
- Full co-existence with all other Acorn networking solutions.
- No complicated configuration – just start your computer to run the software and share resources.
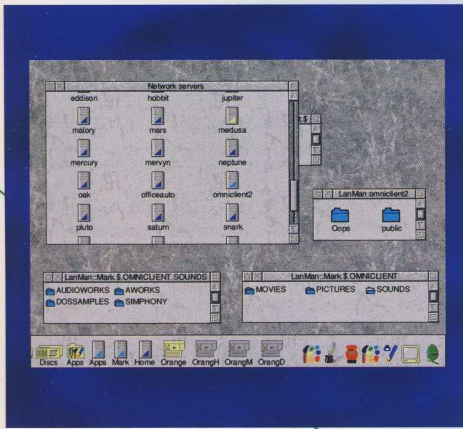
Acorn Access+

- Simple, easy-to-use, peer-to-peer networking for those environments where data protection is important.

- Efficient sharing of hard discs and printers through the use of standard Ethernet technology.

- Sharing of CD-ROMs on a peer-to-peer basis, with the option to expand to site-wide server Access if required.

- Sharing of RISC OS directories and CD-ROMs with password protection to maintain total control of your data, or using the 'total sharing' method to make the most of hardware and software.

- Allows simultaneous access to shared CD-ROMs

- Plug in and play – no complicated configuration – just start your machine to run the software and share resources.

- Full co-existence with all other Acorn networking solutions.
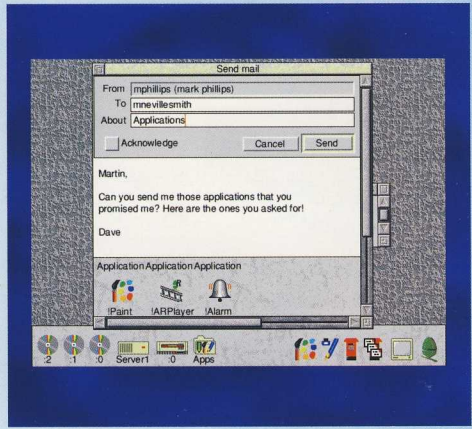
Access CDShare

- Used in conjunction with Acorn Access and Level 4 Release 3 as a central resource to provide efficient CD-ROM sharing on a site-wide basis.

- Simple management tools for easy configuration and control of data of Ethernet networks.

- Allows simultaneous and increased use of multimedia information.

- Maintains a record of shared information for efficient information management.

- Makes maximum use of valuable resources as a cost-effective method of exploiting the Acorn multimedia advantage.

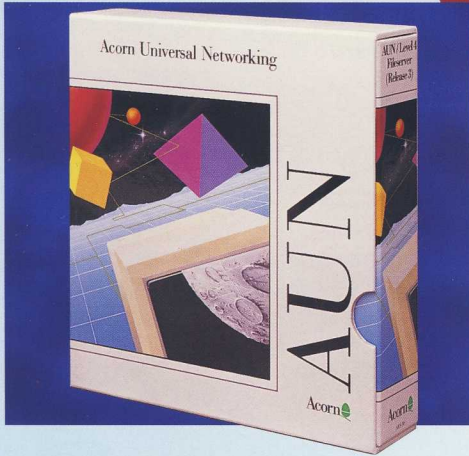- Simple to install and easy to use – valuable attributes for any network.

Acorn OmniClient

- Designed to make the business of connecting RISC OS machines to PC, UNIX and Apple networks as simple and cost-effective as possible.

- Software only solution, so no additional hardware is required.

- Enables the sharing of hardware and software including hard discs, printers, JPEGS, MPEGS and text files – all on the same physical Ethernet network.

- Supports the use of NTServer, LanManager, Windows for Workgroups, NFS and RISC OS solutions such as Level 4 and Acorn Access all through a single software interface.

- Allows the transfer of data to 'selected' servers and retrieval when required. This includes RISC OS applications.

- Files can be simultaneously shared with RISC OS, PC and Apple machines and OmniClient provides a 'whole site network' for mixed environments.

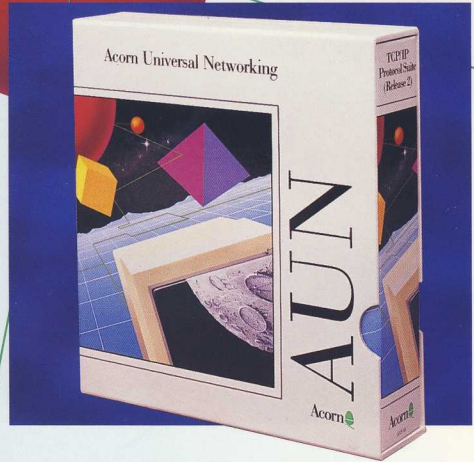- Happily co-exists with all other Acorn networking solutions.

Acorn InterTalk

- Allows access to electronic mail, locally and via Internet to send mail and RISC OS files to colleagues or classmates on the same site or on other sites, countries or continents.

- Allows you to create local bulletin boards for general discussion and information, and to make your or your site's views known to millions throughout the world.

- The administrator or single user decides the choice of sites that the site or individual talks to, and controls the costs of wide area networking ownership.

- Joining and navigating around the Information Superhighway is easy through the ability to select specified hardware and Internet providers.

- Sends information to those PCs and Apple solutions which also use de-facto standard packages.

File Server Level 4 Release 3

- Client/server-based network server for efficient file and application serving, made possible via the built-in application accelerator over Ethernet networks.

- Backward compatible to allow co-existence with Econet networks via Econet/Ethernet Gateway software.

- Provides security for sharing of information throughout a whole-site RISC OS environment.

- Shared printer capability to make maximum use of printers over the network.

- Provides flexibility to allow co-existence with all other AUN networking products including Access CDShare for CD-ROM sharing.

- Easy-to-use management tools for efficient administration, with the option to extend management tools if required.
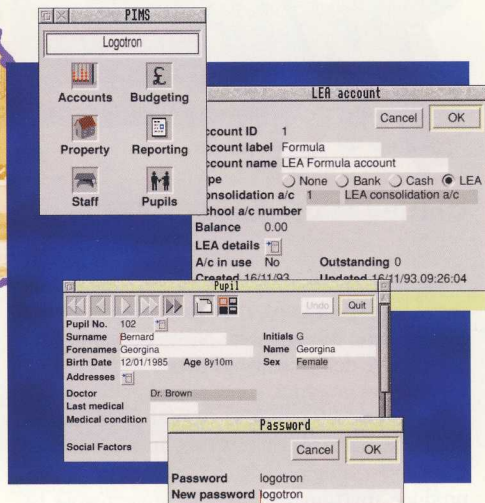
TCP/IP Protocol Suite Release 2

- NFS client capability for use in connecting RISC OS clients to UNIX-based servers for file and application storage and printer access.

- VT220 emulation application for use in gaining Ftp and Telnet access.

- Serial port communication via SLIP for modem use in accessing Internet.

- Instant plug compatibility with other IP conformant devices.

- Full co-existence with all other AUN products.

- Industry standard connectivity for RISC OS users.

Special Access Upgrade Pack

- Designed to tailor Acorn Archimedes computers (up to the A5000) for almost any special need.

- Fitted by the dealer when you purchase your computer, the Acorn Special Access Upgrade Pack presents an easy solution to special needs requirements.

- User and Analogue ports allow the use of Concept or overlay keyboards and switches, as well as supporting additional software capabilities.

- Acorn A-Z of Special Needs, compiled by Northwest SEMERC and the Northern Ace Centre, is an invaluable guide to the wide variety of software and hardware that is available to those in the special needs field.

PIMS – the complete primary school management system

- Designed by Longman Logotron, it complies with schools' existing administrative methods.

- Works intuitively – assumes no specialised knowledge of either computers or accountancy.

- Handles pupil records, staff records, accounts and purchasing, property management and inventory, and report publishing.

- Generates the Form 7 DfE return at a click of the mouse button.

- Uses Acorn RISC OS computers, which are already familiar in the majority of primary schools.

- Secure – saves data automatically and allows access to authorised users only.
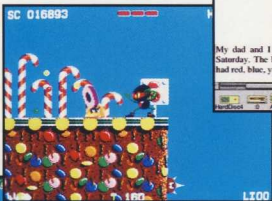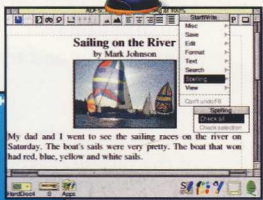
11

SOFTWARE

Action PACK

early years

Getting started and having fun

Tremendous fun for children (and we bet you'll sneak in a go or two), the Action Pack includes the Intergalactic Ninja Zool and four interactive demonstration games with spectacular graphics, super sound effects and involving varying degrees of skill. The Action Pack also includes StartWrite, an easy-to-use word-processing package which will help produce anything from school project work to professional business documents.

Work or play – the best of both worlds with the Action Pack.

Software Included
- Zool (game)
- StartWrite (word processor)
- Application suite
- Audio Training Tape
- Lemmings
  (demo game)
- Fervour
  (demo game)

Gaining an advantage from the start

The early years in a child's life are so important, deserving all the support parents can give. In today's world, computers can be found everywhere and anywhere – but only one manufacturer can be found in nine out of ten schools: Acorn. Early Years, part of the Learning Curve range, contains software specifically written for young children to encourage their educational development. Start with the art package to 'paint' and 'draw' on the screen! Move on to explore two different learning adventures with animated cartoon characters. Children who are learning to read will love the talking story where a mouse-click on the text will make the computer 'speak'.

Children learn through repetition and the computer is one listener that will never get tired! Youngsters learning to write will find the specially designed word-processor simple, easy and fun to use. The computer allows children to be creative, even if they have yet to gain the fine motor skills needed to write by hand. Once they have typed their first words, they can make the computer 'talk' through their text. Other software includes a game which makes maths fun, as well as a music utility, a calculator and a clock. Early Years is a multimedia wealth of text, colourful pictures, animation and sound to delight any child.

Software Included
- Talking StartWrite (word processor)
- Gemini (picture matching game)
- Amazing Maths (maths game)
- Explore with Flossy the Frog
- Doris The Dotty Dog
- Paint Pot (painting resources)
- Audio Training Tape
- Mouse in Holland (adventure simulation)
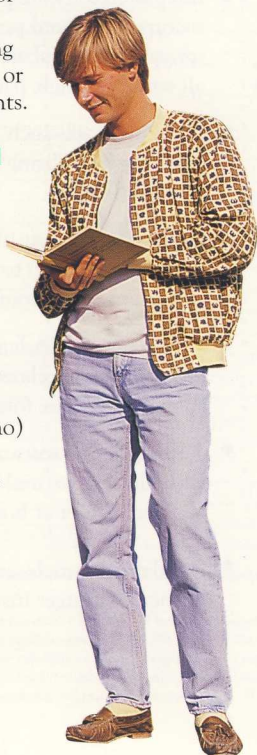
The LEARNING Curve

HOME Office

Working towards exams

The Learning Curve package will help your older children with the work they are studying and can show you just how effective and imaginative educational computing has become.

The Learning Curve includes Advance, a software package which smoothly integrates four of the most commonly used computer functions in schools and business life – word processing, spreadsheet analysis, database management and graphing. Advance is a powerful and versatile program, ideal for study and project work, and for many other tasks like compiling theses, writing letters, club newsletters or doing household accounts.

Software Included
- Advance (integrated software suite)
- PC emulator and DOS
- Topographer (geography demo)
- Rhapsody (music writing demo)
- Darryl the Dragon (adventure game demo)
- SmArt (art demo)
- Audio Training Tape

Everything you want to do and more!

Home Office is a selection of quality software packages containing all you need to create a professional image and to help you manage a small or home-based business.
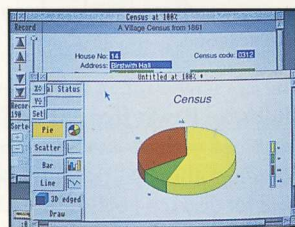
You can design a logo and letterhead, produce personalised letters, reports and other documents, establish an address book and database for mailings, create spreadsheets for sales figures and stock control, and produce graphs in 3D.
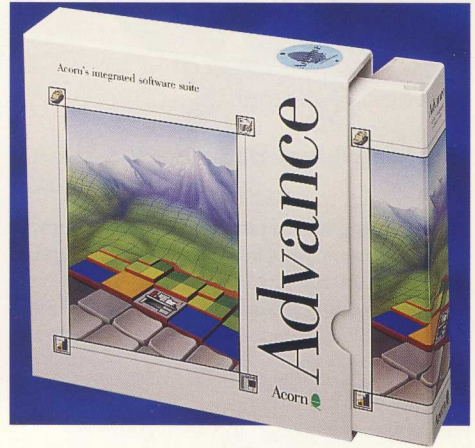
It's simple to integrate text, data, images and artwork from other software applications, giving you complete flexibility.

The Home Office contains everything a business needs, and is there for you to use at home. Acorn really does let you and your children have access to all the benefits of computing.

Software Included
- EasiWriter (word processor)
- Datapower (database package)
- PipeDream 4 (spreadsheet application)
- Prophet (accounting demo)
- Almanac (demo)
- Audio Training Tape

Super VGA Multiscan Monitors

- The **Acorn medium resolution SVGA multiscan monitor** (AKF52) has been especially designed to complement the AKF50 (high resolution SVGA).

- The **Super VGA Multiscan ES (Energy Saving) monitor** (AKF60) has an extremely small dot pitch (0.28mm). It is Energy Star compliant thanks to the Power Management system which allows a power consumption of less than 20 watts in Power Save mode.

- Manufactured in the UK to the highest industry standard of BS5750 Part 1, both these models meet the most stringent EC directives in matters of low voltage requirements and low emissions, as well as having excellent visual and ergonomic performance.

  The 17" screen size of the **Super VGA Multiscan Power Systems** (AKF 85), combined with its small dot pitch (0.27mm – amongst the smallest in its class), makes it ideal for desktop publishing and other applications that require a particularly sharp, crisp image on a wide screen.

Acorn Advance

- Integrated software package, which incorporates word processing, spreadsheet, database and graphing – all within a single package.

- Simplifies tasks such as mail merge and graphing by utilising standard data transfer formats.

- Easy to use because all of its different functions conform to the same consistent menu commands.

- All elements of Advance make full use of the acclaimed RISC OS outline font manager.

- The all-in-one software package with all the essential tools for users in education or at home.

- Available as single-user version or site licences for larger installations.
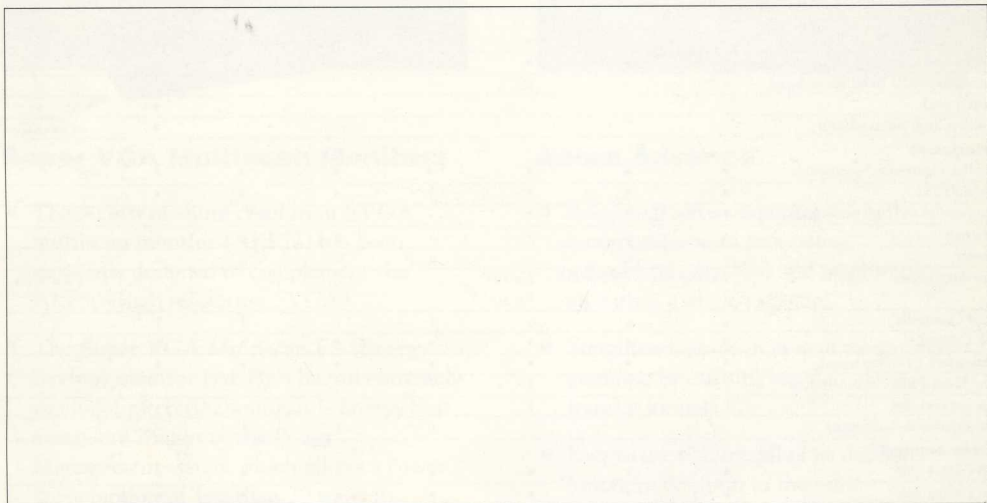
Specifications

Hardware	Risc PC600 2MB HD210	Risc PC600 5MB HD210	Risc PC600 9MB HD420	A3010 2MB FD	A3020 2MB FD/HD60	A4000 2MB HD210	A4 4MB HD80	Pocket Book II
CPU (32-bit RISC architecture)	ARM 610 30MHz	ARM 610 30MHz	ARM 610 30MHz	ARM 250	ARM 250	ARM 250	ARM3	
CPU (16-bit)								NEC V30 ASIC
Operating system (RISC OS) version	3.50	3.50	3.50	3.11	3.11	3.11	3.10	
Main memory	2MB	4MB	8MB	2MB	2MB	2MB	4MB	256K or 512K
expandable to [1]	256MB	256MB	256MB	2MB	4MB	4MB	4MB	
ROM	2MB	2MB	2MB	2MB	2MB	2MB	2MB	2MB
Video memory	0MB	1MB	1MB					
expandable to	2MB	2MB	2MB					
Embedded cache	4KB	4KB	4KB					
2nd Processor Option	Yes	Yes	Yes					
Internal hard disc (formatted)	210MB	210MB	420MB		○/60MB	210MB	80MB	
3.5" floppy disc (formatted)	1.6MB	1.6MB	1.6MB	1.6MB	1.6MB	1.6MB	1.6MB	
Solid State Disk (SSDs)								●
102/103 key 'enhanced PC' layout keyboard	●	●	●	●	●	●		
Internal 83 key PC layout keyboard							●	
58 key QWERTY keyboard								●
Number of case sections	1	1	2					
Mouse (3 button)	●	●	●	●	●	●	●	
Sound								
Built-in speaker(s)	●	●	●	●	●	●	●	●
Std. audio 8 channel 8-bit log digital	●	●	●	●	●	●	●	
Enhanced[10] audio 16-bit linear digital	○	○	○					
Battery pack							●	
Multi-voltage mains adaptor							●	UK mains adaptor
Interfaces								
Parallel, Centronics® compatible	●	●	●	●	●	●	●	○
Serial RS232	●	●	●	●	●	●	●	○
Fast parallel and high performance serial	●	●	●					
Ethernet	○	○	○	○	○	○	○	
Econet	○	○	○	○	○	○	○	
Free drive bays	1 x 5¹/₄" [2, 3]	1 x 5¹/₄" [2, 3]	2 x 5¹/₄" 1 x 3¹/₂" [3]					2 for SSDs
SCSI Controller	○	○	○	†	†	†	†	
IDE Controller	●	●	●	●	●	●	●	
3.5mm jack for stereo sound	●	●	●	●	●	●	●	
Free 32-bit DEBI expansion slots [4]	2 [2, 3]	2 [2, 3]	4 [3]					
Free network slot	1	1	1					
Free expansion slots (mini)				1	1	1		
Video support[5]								
640 x 256 x 256[6]	●	●	●	●	●	●	●	
640 x 480 x 256	●	●	●	●	●	●	●	
800 x 600 x 16	●	●	●	●	●	●	●	
240 x 352 x 16 million[9]	●	●	●					
640 x 352 x 16 million	○[7]	●	●					
640 x 480 x 16 million	○[7]	○[7]	○[7]					
800 x 600 x 16 million	○[7]	○[7]	○[7]					
1024 x 768 x 256	○[7]	●	●					
1024 x 768 x 32 thousand	○[7]	○[7]	○[7]					
1280 x 1024 x 256	○[7]	○[7]	○[7]					
1600 x 1200 x 16[8]	●	●	●					
1600 x 1200 x 256[8]	○[7]	○[7]	○[7]					
High contrast, retardation film LCD								●
480 x 160 graphics screen up to 80 characters by 25 lines								●

Check with your Acorn dealer for the monitor most suitable for your computer system.

Key: ● standard ○ optional † third party product * UK only [1] 2 memory sockets are provided. Each can take 2, 4, 8, 16, 32 or 64 MByte SIMM modules. Support is also provided when 128 MByte SIMMs become available, enabling support for up to 256 MBytes. [2] The Acorn 'Risc PC Case Upgrade' extends the expansion capability to 4 podules, 1 network, 2 5¹/₄" drive bays and 1 3¹/₂" drive bay. [3] Third party products will extend this to 8 podules, 1 network, 4 5¹/₄" drive bays and 1 3¹/₂" drive bay. [4] Archimedes podule compatible [5] with suitable monitor [6] requires suitable monitor capable of displaying broadcast rate displays, or in letterbox form [7] requires 2MByte VRAM upgrade [8] suitable display driver available from Acorn Customer Services [9] Full screen Replay Full Motion Video display mode. [10] Available Q1 1995.

Acorn dealers can provide further information about any of the products featured in this brochure. For details of your nearest dealer telephone 0223 254222

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

ARM POWERED™

Acorn

DESIGN: ADVANTAGE, LONDON