

# ARCHIMEDES 400/1 SYSTEM



THE LEARNING CURVE

A series of colorful icons representing various subjects and concepts, arranged in a curved path. From left to right, the icons include: a blue arrow pointing up and right, a hand icon, a yellow bell, a Union Jack flag, a yellow typewriter, a green pencil, a clock face, a blue calculator, a magnifying glass, a musical note, a globe, a blue question mark, a pencil, and a yellow triangle.

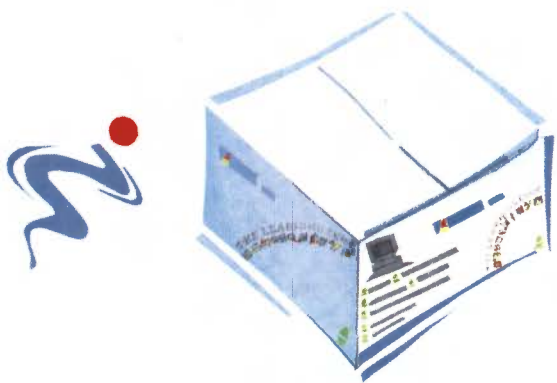
Acorn 

## FEATURES

- The powerful Archimedes 420/1 microcomputer with 2 Mbytes RAM, 20 Mbytes hard disc and single floppy drive.
- Application suites including Paint, Draw, Edit, music program, games and a range of practical utilities including configuration capability.
- 1st Word Plus, a fully functional word processing package with 70,000 word (English) spelling checker.



- Acorn Desktop Publisher, a popular and easy to use DTP software package.
- Genesis - a suite of applications combining information with user creativity and integrating animation, text, graphics and music.
- PC Emulator and DOS software.
- Informative video cassette (VHS), welcome guide, user manual and a parental guide to the National Curriculum.
- Choice of colour monitors (optional).



The Archimedes Learning Curve offers all the benefits of the BBC A3000 Family Learning Package and adds to it extra facilities.

For the serious user the Archimedes 420/1 combines an integral 20 Mbytes hard disc and 2 Mbytes RAM as standard. This capacity allows you to get the best from the multi-tasking operating system, ensuring that all programs are easily to hand, without changing discs, and providing fast loading at the click of the mouse.

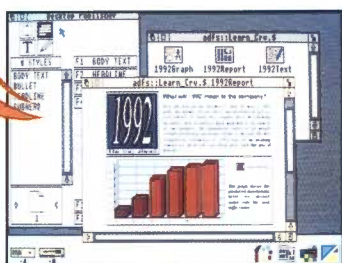
Whether your needs are business, professional, educational or entertainment the Archimedes Learning Curve allows you full access to a vast range of DOS and Acorn software.

Like the BBC A3000 Family Learning Package, the Archimedes Learning Curve includes a range of specially selected software for family home and school applications with an important addition, the Acorn Desktop Publisher.



Use Acorn Desktop Publisher to create any printed material you choose. School project work, news letters or course notes, leaflets, instructions, brochures, reports or price lists, all will look completely professional.

Acorn DTP is fast, easy to use and it works in colour. You can use your computer screen to lay out pages of words and pictures. Put in big headlines, adjust the size of print or illustrations, choose different timesteps and move items from place to place. Acorn DTP gives you complete control.



Pages can be made up by integrating text, created from say 1st Word Plus, illustrations from Paint and Draw and other contributions from any of the pre-loaded software. Finished pages can be safely stored whilst other pages are created. Acorn DTP gives you the power to achieve high quality results.

Acorn DTP works with most popular printers. You can achieve impressive results without needing to invest in an expensive printer, secure in the knowledge that Acorn DTP has the power to exploit more sophisticated printers if you choose to upgrade your system.



# ARCHIMEDES 420/1 SPECIFICATION

## CENTRAL PROCESSING UNIT

ARM (Acorn RISC Machine) 32 bit Reduced Instruction Set Computer processor  
Processor speed: 4 MIPS (MILLION INSTRUCTIONS PER SECOND)

## MEMORY AND DATA STORAGE

Dynamic RAM: 2 Mbytes  
Maximum memory: 4 Mbytes \*  
ROM: 512 Kbytes  
3.5" floppy disc: 800 Kbytes  
Hard disc (formatted) 1:1 interleave: 20 Mbyte  
\* Dealer upgrade option

## DISPLAY (optional)

**Analogue RGB:** via 9-pin D type socket, supports 14" Acorn colour monitor (resolution up to 640 × 256) or multiscan colour monitors (resolution up to 640 × 512). The monitor shown in this brochure is the Acorn colour monitor.

**High resolution monochrome:**  
resolution up to 1152 × 896 in graphics mode

**Monochrome composite video**  
resolution up to 640 × 256

## SOUND

Two channel stereo with seven stereo positions and eight voices  
Standard 3.5mm ohm stereo jack

## KEYBOARD AND MOUSE

103 Key 'enhanced PC' layout keyboard  
Three button mouse

## INTERFACES

Parallel port: standard 25-pin D type socket Centronics 8 bit compatible  
Serial port: standard 9-pin D-type plug

## ACORN EXPANSION OPTIONS

Econet module (internal plug-in module)  
I/O expansion card  
MIDI expansion card  
ROM expansion card  
SCSI expansion card  
Floating Point Co-processor expansion card  
RAM upgrade

## STANDARD SOFTWARE

Built-in software in ROM:  
RISC Operating System (RISC OS)  
Desktop Manager mouse and pointer system  
Advanced Disc Filing System (ADFS)  
Advanced Network Filing System (ANFS)  
BBC BASIC V  
Character sets: ISO 8859, Latin 1-4, Greek  
Font manager  
Help

## APPLICATIONS SUITE 1:

Configuration, Draw, Edit, Fonts, Help, Paint, Printer Drivers.

## APPLICATIONS SUITE 2:

6502 emulator, Alarm clock, Calculator, Lander game, Music demo, Magnifier utility,  
Electronic mail utilities, Patience game, Puzzle game, BASIC Editor

## DOCUMENTATION

Welcome guide, User guide, BBC BASIC guide.  
Programmer's reference manual (optional)

## THIRD PARTY EXPANSION OPTIONS

Many other options, such as the IEEE 488 interface, video digitisers, sound samplers and external floppy and hard disc units, are available from third party suppliers.

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 their specification at any time. Acorn Computers Limited cannot accept any liability for any loss or damage arising from the use of any information or particulars in this brochure.

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