

ASSEMBLER



Programming in Archimedes Assembler offers direct access to the full Archimedes ARM (Acorn Risc Machine) central processor instruction set. With the exceptional speed of the ARM CPU, high-level languages can be used for virtually all applications, but the Archimedes Assembler delivers the total performance of Archimedes RISC architecture to the most demanding programmers.

THE ASSEMBLER PROGRAMS

Archimedes Assembler comprises three programs, together with a comprehensive manual:

- **Aasm** Assembles files written in Assembler for immediate execution.
- **ObjAsm** Assembles files written in Assembler into Acorn Object Format (AOF).
- **Linker** Links AOF files, either written in Assembler and assembled using ObjAsm, or created by high-level language compilers.

ASSEMBLER FUNCTIONS

Key functions provided by the Archimedes Assembler include:

- Full support of the ARM instruction set
- Support for the floating point instruction set
- Global and local label capability
- Comprehensive expression handling
- Conditional assembly
- Powerful macros

- Comprehensive symbol table printouts
- Link-file capability

SUPPORTING PRODUCTS

Archimedes Assembler is one of a set of programming languages and development tools that make the Archimedes range of high-performance computer systems a formidable powerhouse for software development.

Products available for use in conjunction with Archimedes Assembler include:

- Archimedes Twin program editor with text editing facilities specially designed for program development.
- Archimedes ANSI C, Pascal and FORTRAN high-level language compilers. Assembler subroutines can be linked with compiled object files.
- Archimedes Software Developer's Toolbox, comprising a symbolic source-level debugger and a package of programming utilities.
- Programmer's Reference Manual, covering the Archimedes operating system.

HARDWARE REQUIREMENTS

Archimedes computers with 1 Mb of RAM or more are suitable for program development using Archimedes Assembler.



ACORN, ARCHIMEDES and ARM are trademarks of Acorn Computers Limited.

Copyright © Acorn Computers Limited 1988

APP165 FIRST EDITION NOVEMBER 1988

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 specifications 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.

For further information contact your local dealer; for a dealer list, please contact:

Department DL, Acorn Computers Limited
Fulbourn Road, Cherry Hinton
Cambridge CB1 4JN England
Telephone (0223) 245200
Telex 817875 ACORN G
Fax (0223) 210685
Viewdata (0223) 243642