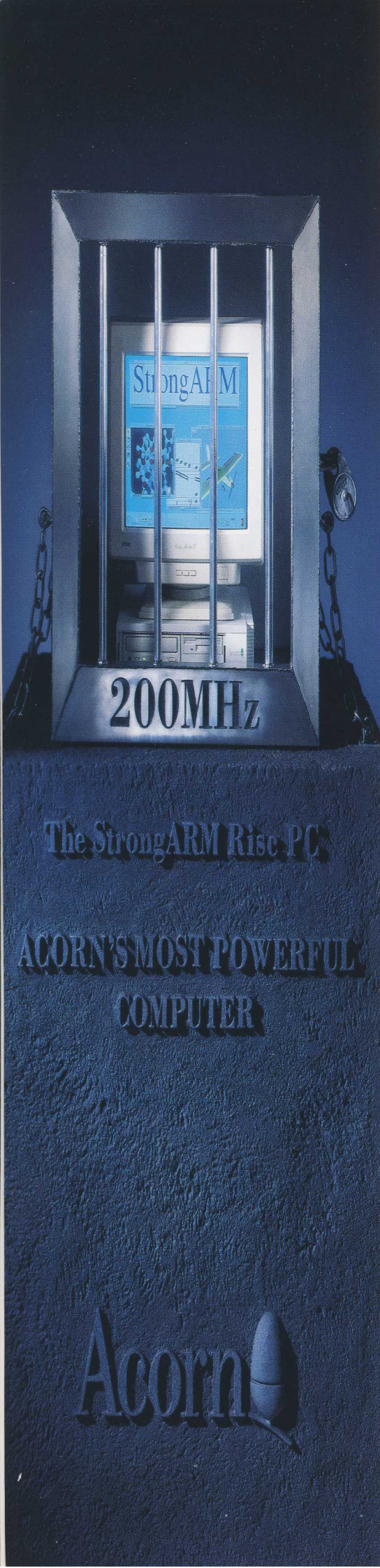


RISC PC

These superb, high-performance RISC-based desktop computers have 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 up to 5x86 speeds, with the highly innovative Risc PC Cards 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 Cards are the lowest cost PC capability on any RISC platform in the world.

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, quad 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 and its expansion capabilities make it ideal for storing network resources.

- Cost effective, efficient 32-bit ARM based Architecture
- Modular construction (multi-slice expansion)
- Multiple Homo/Heterogeneous processor support
- Available with ARM 610, 710 and StrongARM processors
- 486/5x86 mode with low cost, high performance
- Capable of discless operation
- VRAM support
- ROM based operating system with soft loadable extensions
- Comprehensive hardware peripheral support:
- Wide range of software support
- 24-bit colour delivering 16 million colours
- 1280 1024 resolution with photo realistic colour palette
- Integrated 16-bit digital sound system



Technical Overview

Range of 32-bit ARM RISC Processors

- ARM610 @ 33MHz, ARM710 @ 40MHz and StrongARM 200Mhz
- Openbus architecture supporting 486/5x86 second processor
- IOMD custom I/O and memory controller ASIC
- VIDC20 custom Video Controller ASIC

Memory

- 2 SIMM expansion sockets support 2 - 256MByte DRAM
- 1 vertical SIMM expansion socket supports 1 - 2MByte VRAM
- 4MByte page mode ROM
- 240Byte battery backed CMOS SRAM

Unique Reference

- 48-bit software-readable unique identifier for use by networking software

System Software

- RISC OS 3.6 ROM based operating system capable of supporting soft-loadable extensions

Audio

- CD quality 16 bit stereo digital sound system with mixer for 2nd internal audio source (eg CD-ROM)
- 3.5 mm stereo jack socket capable of driving 32 Ohm headphones or for use as a line output, plus internal speaker

Video

- Wide variety of screen modes including:

1600	600 at 16 BPP (32K colours, pixel doubled) 56Hz
1280	1024 at 8 BPP (256 colours) 60Hz
1024	768 at 16 BPP (32K colours) 75Hz
800	600 at 24 BPP (16M colours) 60 Hz
640	480 at 24 BPP (16M colours) 75 Hz

Expansion

- Two 32-bit EASI expansion slots (per expansion slice, up to a maximum of 16 slots in total)
- Dedicated network card expansion slot
- 5" drive bay for second IDE hard disc or ATAPI CD-ROM drive

Internal Mass Storage

- IDE hard disc drive (540MByte - 1GByte standard, greater capacities available)
- 2 MByte 3½" floppy disc drive
- ATAPI (IDE) CD-ROM option

I/O Ports and Interfaces

- RS 232 serial port, 9-pin D-type
- Parallel Printer port, 25-pin D-type
- PS2 interfaces for keyboard and Acorn Interface for 3 button Quadrature mouse
- Monitor output via a standard 15 way high density D-type
- Internal video Genlock port
- Stereo audio output 3.5mm stereo jack socket

Physical

- Dimensions: width 355mm, depth 383mm, height (single slice) 117mm, extra slice 182mm. Weight: approx 3.75kg
- 103 key PS2-style keyboard with 3 button PS2 mouse

Electrical

- Integral 103W switched mode PSU with IEC 320 power inlet and outlet connectors
- Switchable PSU from 110V to 240VAC, 50 or 60 Hz.

Standards Compliance

- CE marked and certified to:

EN60950 (electrical safety)
EN55022 class B (EMC conducted and radiated)
EN50082-1 (EMC susceptibility)

To find out more about ART products, please contact:

tel: +44 1223 577800
fax: +44 1223 577900
email: sales@art.acorn.co.uk
www: <http://www.art.acorn.co.uk/>

Acorn and the Acorn device, Acorn Online Media and the Om device, Acorn Risc Technologies and the ART device, Acorn Networking Computing and OmniClient are trademarks or registered trademarks of Acorn Computer Group plc (the Acorn Group). All other brand names mentioned are trademarks or registered trademarks of their respective holders, and are hereby acknowledged. Whilst every effort has been made to ensure the accuracy of the information in this document, the Acorn Group cannot accept any liability for any loss or damage occasioned to any person acting or refraining from action as a result of information supplied herein. Purchasers are solely responsible for the selection, use and application of products and services described in this document.

Acorn Risc Technologies is an operating division of Acorn Computers Limited, part of the Acorn Computer Group plc.

Registered in England N° 1403810. VAT N° GB 432 2094 84 Copyright ©1996 Acorn Computer Group plc.