

The ARM Architecture

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Agenda

- Introduction to ARM Ltd

ARM Architecture/Programmers Model

Data Path and Pipelines

System Design

Development Tools

ARM Ltd

- Founded in November 1990
 - Spun out of Acorn Computers
- Designs the ARM range of RISC processor cores
- Licenses ARM core designs to semiconductor partners who fabricate and sell to their customers.
 - **ARM does not fabricate silicon itself**
- Also develop technologies to assist with the design-in of the ARM architecture
 - Software tools, boards, debug hardware, application software, graphics, bus architectures, peripherals, cell libraries

