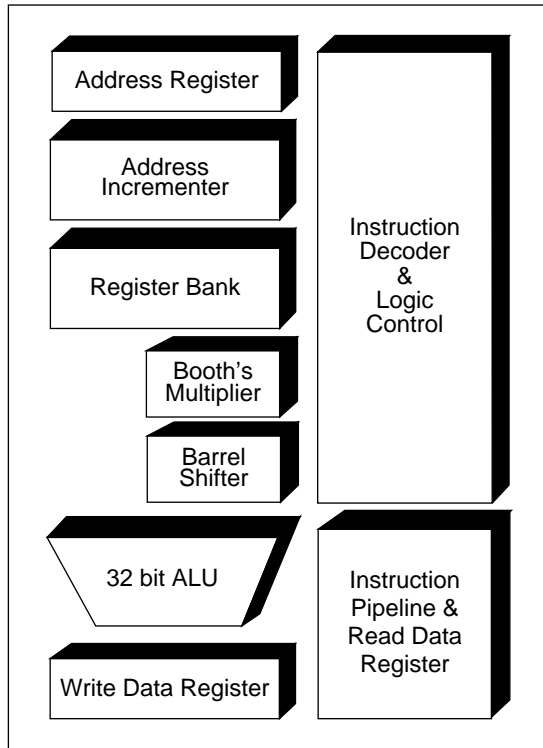


The ARM60-B is a low power, general purpose 32-bit RISC microprocessor. It is an implementation of the ARM6 macrocell, packaged in a compact 100 pin Metric Quad Flat Pack. Its simple, elegant and fully static design is particularly suitable for cost and power sensitive applications.



- 32 bit RISC processor**
- 32 bit data bus**
- 32 bit address bus**
- Big and Little Endian operating modes**
- High performance RISC**
27 Dhrystone MIPS @ 5V/30MHz
- Temperature range -40°C to +85°C**
- Low power consumption**
1.2mA/MHz @ 5V fabricated in 0.6µm CMOS
- Fully static operation**
ideal for power sensitive applications
- Fast interrupt response**
for real-time applications
- Virtual Memory System Support**
- Excellent high-level language support**
- Simple but powerful instruction set**
- IEEE 1149.1 (JTAG) Boundary Scan**
to ease testing

Applications:

The ARM60-B is ideally suited to those applications requiring RISC performance from a compact, power efficient processor. These include:

- Telecomms** - eg GSM terminal controller
- Datacomms** - eg protocol conversion
- Portable Computing** - eg palmtop computer
- Portable Instruments** - eg handheld data acquisition unit
- Automotive** - eg engine management unit
- Information Systems** - eg smart cards
- Consumer Multimedia** - low cost controller

Ordering Code

P60ARM-B/IG/GPFR

For full details please contact your local Mitel Semiconductor Customer Service Centres

ARM60-B Overview

