



















Elba: Designing a Osprey "Testchip"

- Different from most SoC developments as this is a development platform and not a product
 - A silicon qualification vehicle for the Cortex-A9 hard macros
 - An IP proving vehicle for new cores
 - A software development vehicle
 - Demonstrate diverse applications from server to compute platform
 - Support future R&D activities around power management etc.
- Design/implementation decisions are sometimes counterintuitive
 - Packaging cost is not an issue, silicon area is
 - An unusual mixture of IP and connectivity
 - Required to support multiple and complex clocking schemes
 - Optimized across multiple applications
 - DFT/DFM yield decisions may be compromised (not for hard macro)

The Architecture for the Digital World®

ARM

























