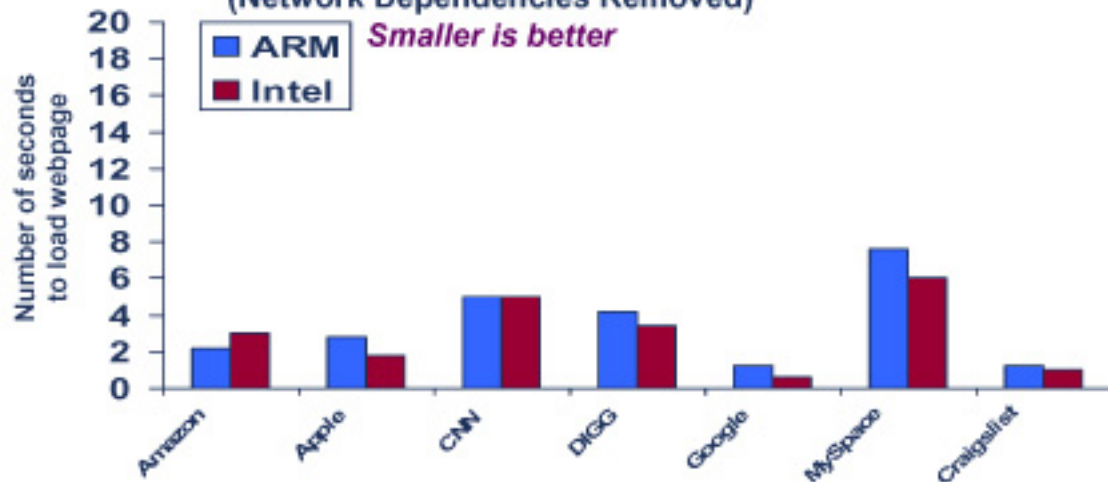


# ARM11™ MPCore™ to Intel Atom Z500

Performance Comparison On Webpage Reader  
(Network Dependencies Removed)



Life from a 1400mAh Battery  
Processor Core Only

	Sleep	Average	TDP
Intel	<b>19 hours</b>	8 hours	2 hrs
ARM	<b>Weeks</b>	<b>10.6 days</b>	8.2 hrs

## PERFORMANCE

- ARM11™ MPCore™ delivers comparable performance for great web experience.
- Add NVIDIA graphics and it will rock!

## POWER

- USE** -- Delivers days-of-use, not hours
- SLEEP** -- Weeks not hours

### Results compare:

- Intel Atom processor Z500 (800 MHz)
  - ARM11 MPCore (800 MHz)
- Estimated results based on:
- ARM MPCore® - 2X faster clock
  - Atom half the clock frequency of their measured results

ARM11-MPCore projections use the same statistical distribution of power states as Intel ATOM. Average use assumes following power state distribution- C0: 5%, C1-C4: 15%, C6: 80%

• Projections for core only at 800 MHz. Days calculated on 24hr clock.  
• Intel Z500 (C0-C6) state power state estimates from Intel datasheet (319535-001US). Average power estimates based on Microprocessor Report article "Intel's tiny ATOM".