

# Small cores for high power efficiency

## Large Core

Out-of-Order  
Full IA ISA  
21 mm<sup>2</sup>

### Raw efficiency

- 32 GF @ 4 GHz
- 1.5 GF / mm<sup>2</sup>
- 1.4 GF / Watt

## Small Core

Low Power  
Full IA ISA  
6 mm<sup>2</sup>

### Raw efficiency

- 32 GF @ 4 GHz
- 6.4 GF / mm<sup>2</sup>
- 5.9 GF / Watt

### Small, highly-threaded cores:

- Improved power and area efficiency
- Greater design economy
- Excellent Single Thread performance