ARM Cortex Processors

The World’s Most Power Efficient Processors

Performance and Scalability for Enterprise, Mobile and Embedded Solutions

Q4 2015
ARM® Cortex®-A Current Portfolio

Q4 2015

**ARMv7-A**
- Smallest and lowest power, optimized for single-core

**ARMv8-A**
- Most efficient ARMv7-A, higher performance than Cortex-A5

**Cortex-A15**
- High-performance with infrastructure feature set

**Cortex-A17**
- High-performance with lower power and smaller area relative to Cortex-A15

**Cortex-A19**
- Well established mid-range processor used in many markets

**Cortex-A57**
- Proven high-performance 64/32 bit CPU

**Cortex-A72**
- Highest performance 64/32 bit CPU

**Cortex-A53**
- Balanced performance and efficiency 64/32 bit CPU

**Cortex-A35**
- Highest efficiency 64/32 bit CPU

**Key:**
- big.LITTLE compatible
ARM® Cortex®-R and Cortex-M Processor Portfolio

Q4 2015

Cortex-R

- Cortex-R4: Real-time standard
- Cortex-R5: Functional safety
- Cortex-R7: High performance 4G modem and storage

Cortex-M

- Cortex-M0: Lowest cost, low power
- Cortex-M0+: Highest energy efficiency
- Cortex-M3: Performance efficiency
- Cortex-M4: Mainstream control & DSP
- Cortex-M7: Maximum performance control & DSP
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