

# ARM Cortex Processors

The World's Most Power Efficient Processors  
Performance and Scalability for Enterprise, Mobile and  
Embedded Solutions

2H 2014

Expiration Q1 2015

# ARM® Cortex®-A Current Portfolio

2H 2014, Expiration Q1 2015



ARMv7-A  
High performance  
32-bit CPU with  
enterprise class  
feature set



ARMv7-A  
High performance  
32-bit CPU with  
lower power and  
smaller area



ARMv8-A  
Highest performance  
64/32-bit CPU

High  
Performance



ARMv7-A  
Smallest and  
lowest power CPU



ARMv7-A  
High efficiency  
32-bit CPU  
big.LITTLE™ compatible



ARMv8-A  
High efficiency  
64/32-bit CPU  
big.LITTLE compatible

High  
Efficiency

A

# ARM® Cortex®-R and Cortex-M Processor Portfolio

2H 2014, Expiration Q1 2015

R



Real-time standard



Enhanced system integration features  
Functional safety



High performance  
4G modem and storage

M



Lowest cost  
Low power



Highest energy  
efficiency



Performance  
efficiency



Mainstream  
Control & DSP



Maximum Performance  
Control & DSP

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