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

Cortex-A15
ARMv7-A
High performance
32-bit CPU with
enterprise class
feature set

Cortex-A17
ARMv7-A
High performance
32-bit CPU with
lower power and
smaller area

Cortex-A57
ARMv8-A
Highest performance
64/32-bit CPU

High Performance

Cortex-A9

Cortex-A5
ARMv7-A
Smallest and
lowest power CPU

Cortex-A7
ARMv7-A
High efficiency
32-bit CPU
big.LITTLE™ compatible

Cortex-A53
ARMv8-A
High efficiency
64/32-bit CPU
big.LITTLE compatible

High Efficiency

A

ARM®

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

2H 2014, Expiration Q1 2015

R

ARM CORTEX Processor Technology
Cortex-R4

Real-time standard

ARM CORTEX Processor Technology
Cortex-R5

Enhanced system integration features

Functional safety

ARM CORTEX Processor Technology
Cortex-R7

High performance
4G modem and storage

M

ARM CORTEX Processor Technology
Cortex-M0

Lowest cost
Low power

ARM CORTEX Processor Technology
Cortex-M0+

Highest energy
efficiency

ARM CORTEX Processor Technology
Cortex-M3

Performance
efficiency

ARM CORTEX Processor Technology
Cortex-M4

Mainstream
Control & DSP

ARM CORTEX Processor Technology
Cortex-M7

Maximum Performance
Control & DSP

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