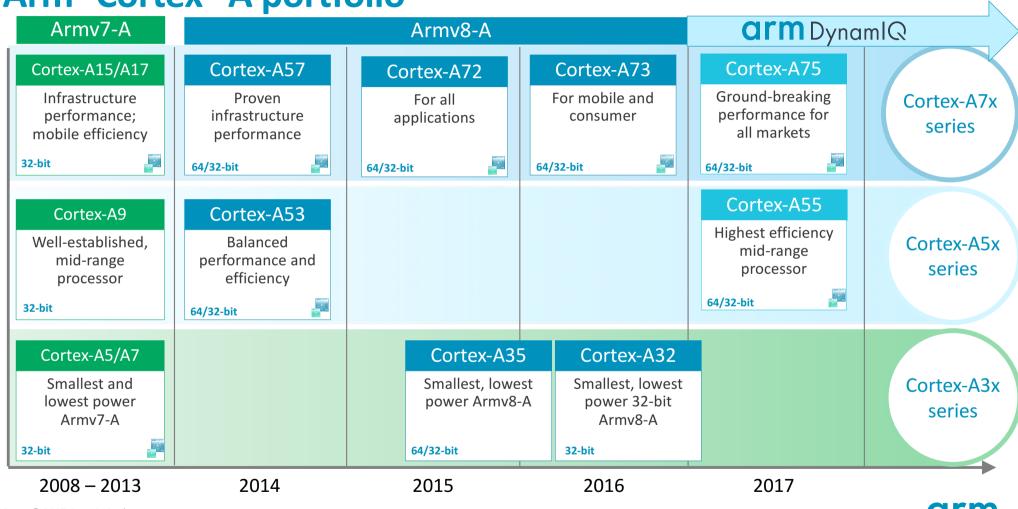


**Arm<sup>®</sup> Cortex<sup>®</sup>-A portfolio** 



Year of IP release, volume devices in the subsequent year







# **Arm**<sup>®</sup> **Cortex**<sup>®</sup>-**R portfolio**

# Cortex-R7

High performance 4G modem and storage

# Cortex-R8

Highest performance 5G modem and storage Storage and modem

# Cortex-R4

Real-time performance

# Cortex-R5

Real-time performance with functional safety

# Cortex-R52

Most advanced processor for functional safety

Functional safety

Armv7-R Armv8-R



# **Arm® Cortex®-M and Arm SecurCore® portfolio**

#### Cortex-M3

Performance efficiency

Available via DesignStart

#### Cortex-M4

Mainstream control and DSP

#### Cortex-M7

Maximum performance, control and DSP

#### Cortex-M33

Flexibility, control and DSP with Arm TrustZone Performance efficiency

#### Cortex-M0

Lowest cost, low power

Available via DesignStart

#### Cortex-M0+

Highest energy efficiency

#### Cortex-M23

TrustZone in smallest area, lowest power

Lowest power and area

# SC000

Optimized area, anti-tampering

#### SC300

Performance, anti-tampering

SecurCore

Army6-M or Army7-M

Armv8-M



# Performance and scalability for a diverse range of applications

Previous		Armv6		Armv7	Armv8	
Armv5		Armv6		Armv7-A	Armv8-A	
Arm968E-S Arm946E-S Arm926EJ-S		Arm11MPCore Arm1176JZ(F)-S Arm1136J(F)-S	Cortex-A	Cortex-A17 Cortex-A15	Cortex-A73 Cortex-A75 Cortex-A57 Cortex-A72	High performance
				Cortex-A9 Cortex-A8	Cortex-A53 Cortex-A55	High efficiency
				Cortex-A7 Cortex-A5	Cortex-A35 Cortex-A32	Ultra high efficiency
			Cortex-R	Armv7-R	Armv8-R	1
		Arm1156T2(F)-S		Cortex-R8 Cortex-R7 Cortex-R5 Cortex-R4	Cortex-R52	Real time
Armv4 Arm7TDMI Arm920T	Cortex-M	Armv6-M		Armv7-M	Armv8-M	High
				Cortex-M7		performance
				Cortex-M4 Cortex-M3	Cortex-M33	Performance efficiency
		Cortex-M0+ Cortex-M0			Cortex-M23	Lowest power and area



Thank You! Danke! Merci! 谢谢! ありがとう! Gracias! Kiitos!



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