

adviceXross Supported CPU core List
(As of April 2026)



Arm

Vendor	Architecture	Core
Arm	v4T	Arm7TDMI
		Arm7TDMI-S
		Arm710T
		Arm720T
		Arm740T
		Arm9TDMI
		Arm9-S
		Arm920T
		Arm922T
		Arm940T
	v5TE	Arm946E-S
		Arm966E-S
		Arm968E-S
	v5TEJ	Arm7EJ-S
		Arm926EJ-S
	v6	Arm1136J(F)-S
	v6T2	Arm1156T2(F)-S
	v6KZ	Arm1176JZ(F)-S
	v6K	Arm11 MPCore
	v6-M	Cortex-M0
		Cortex-M0+
		Cortex-M1
	v7-A	Cortex-A5MP
		Cortex-A7MP
		Cortex-A8
		Cortex-A9MP
		Cortex-A15MP
	v7-R	Cortex-R4(F)
		Cortex-R5(F)
		Cortex-R7MP
		Cortex-R8
	v7-M	Cortex-M3
	v7E-M	Cortex-M4(F)
		Cortex-M7
	v8-A	Cortex-A35MP
		Cortex-A53MP
		Cortex-A55MP
		Cortex-A57MP
		Cortex-A72MP
		Cortex-A73MP
		Cortex-A76MP
		Cortex-A78
		Cortex-A78AE
	v8-R	Cortex-R52
	v8-M	Cortex-M23
		Cortex-M33
		Cortex-M55
Cortex-M85		
v9-A	Cortex-A510 (* Under validation)	
	Cortex-A520 (* Under validation)	
	Cortex-A710 (* Under validation)	
	Cortex-A720	
	Cortex-A720AE	

Xtensa

Vendor	Architecture	Core
Cadence	Xtensa	Xtensa 6, Xtensa LX, Xtensa 7, Xtensa LX2, Xtensa 8, Xtensa LX3, Xtensa 9, Xtensa LX4, Xtensa 10, Xtensa LX5, Xtensa 11, Xtensa LX6, Xtensa LX7 Diamond Standard Processor Rev.A, Rev.B, Rev.C, Rev.D

RISC-V

Vendor	Architecture	Core
-	RV32	-
-	RV64	-

adviceXross Supported MPU List

(As of April 2026)



Arm

Vendor	Device Family	Architecture	Core		
Altera	Cyclone V SoC	Arm	Cortex-A9		
	Arria V SoC		Cortex-A9		
	Arria 10 SoC		Cortex-A9		
	Agilex 5 SoC		Cortex-A76, Cortex-A55		
AMD (formerly Xilinx)	Zynq-7000	Arm	Cortex-A9		
	Zynq UltraScale+ MPSoC		Cortex-A53, Cortex-R5		
	Versal ACAP		Cortex-A72, Cortex-R5		
AnalogDevices	ADSP-SC58x	Arm	Cortex-A5		
Broadcom	BCM5301x	Arm	Cortex-A9		
	BCM2711		Cortex-A72		
	BCM2712		Cortex-A76		
	BCM2836		Cortex-A7		
	BCM2837		Cortex-A53		
	SAS4xNN Series		Cortex-R4		
Infineon (formerly Cypress, Spansion and Fujitsu)	FM0+ Family	Arm	Cortex-M0		
	FM3 Family		Cortex-M3		
	FM4 Family		Cortex-M4		
	S6E2H14E04		Cortex-M4		
	Traveo Family (S6J311EJAA, S6J3200 Series)		Cortex-R5		
	32-bit TRAVEO T2G body entry (CYT2B7 Series, CYT2B9 Series, CYT2BL Series)		Cortex-M0+, Cortex-M4		
	32-bit TRAVEO T2G body high (CYT4BF Series)		Cortex-M0+, Cortex-M7		
	32-bit TRAVEO T2G graphics (CYT4DN Series)		Cortex-M0+, Cortex-M7		
	FX3		Arm926EJ-S		
	TLE995x		Cortex-M23		
Digital Media Professionals	RS1DV300	Arm	Cortex-A53		
Hilscher	netX51	Arm	Arm966		
Marvell	ARMADA 38x (88F6820)	Arm	Cortex-A9		
	ARMADA 7k Family (ARMADA 7040)		Cortex-A72		
	ARMADA 600 Series		Sheeva PJ4B		
	ARMADA XP Series		Sheeva PJ4BMP		
Microchip Technology	SAM D21	Arm	Cortex-M0+		
NXP (formerly Freescale and Motorola)	QorIQ LS1046A	Arm	Cortex-A72		
	QorIQ LS2085A		Cortex-A57		
	QorIQ LS1043A, LS1012A		Cortex-A53		
	QorIQ LA1021A		Cortex-A7		
	LPC4300 Series		Cortex-M4, Cortex-M0		
	LPC1300/1700/1800 Series		Cortex-M3		
	LPC1100/1200 Series, LPC4300 Series		Cortex-M0		
	LPC2100/2200/2300/2400 Series		Arm7		
	i.MX93		Cortex-A55		
	i.MX8M Family		Cortex-A53, Cortex-M4F		
	i.MX8M nano Family		Cortex-A53, Cortex-M7		
	i.MX8M mini Family		Cortex-A53, Cortex-M4F		
	i.MX8M Plus Family		Cortex-A53, Cortex-M7		
	i.MX8X Family (i.MX8DualXPlus, i.MX8QuadXPlus)		Cortex-A35, Cortex-M4F		
	i.MX7 Family		Cortex-A7, Cortex-M4		
	i.MX6UltraLite		Cortex-A7		
	i.MX6SoloX		Cortex-A9, Cortex-M4		
	i.MX6 Family(Solo, Dual, Quad)		Cortex-A9		
	i.MX5 Family		Cortex-A8		
	i.MX3 Family		Arm11		
	i.MX2 Family, DragonBall-MX1		Arm9		
	i.MX RT Series (i.MX RT1064)		Cortex-M7		
	Vybrid VF6xx Family		Cortex-A5, Cortex-M4		
	Kinetis K Series, Kinetis L Series		Cortex-M4		
	S32V234		Cortex-A53, Cortex-M4, Cortex-M0+		
	S32K14x Family		Cortex-M4F		
	S32G2 Family		Cortex-A53, Cortex-M7		
	Nuvoton		M051 Series	Arm	Cortex-M0
			NUC442/472 Series		Cortex-M4
	Qualcomm (formerly CSR)		quatro 53xx	Arm	Arm11 MPCore, Cortex-M3
	Renesas Electronics		R-Car E1, R-Car M1A, R-Car H1	Arm	Cortex-A9
			R-Car H2		Cortex-A15, Cortex-A7

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	R-Car M2, R-Car V2H		Cortex-A15
	R-Car E2		Cortex-A7
	R-Car H3, R-Car M3		Cortex-A57, Cortex-A53, Cortex-R7
	R-Car E3		Cortex-A53, Cortex-R7
	R-Car V3U		Cortex-A76, Cortex-R52
	R-Car S4		Cortex-A55, Cortex-R52
	R-Car V4H		Cortex-A76, Cortex-R52
	RZ/A1H, RZ/A1M, RZ/A1L		Cortex-A9
	RZ/A2M		Cortex-A9
	RZ/A3M		Cortex-A55
	RZ/G1H		Cortex-A15, Cortex-A7
	RZ/G1E, RZ/N1D, RZ/N1S		Cortex-A7
	RZ/G1M		Cortex-A15
	RZ/G2E		Cortex-A53
	RZ/G2M		Cortex-A57, Cortex-A53
	RZ/G2N		Cortex-A57
	RZ/T1		Cortex-R4, Cortex-M3
	RZ/N2L, RZ/T2M		Cortex-R52
	RZ/T2H		Cortex-A55, Cortex-R52
	R-IN32M3		Cortex-M3
	R-IN32M4		Cortex-M4
	RA6M3		Cortex-M4
	RA6M4		Cortex-M33
	RA6M5		Cortex-M33
	RA8M1		Cortex-M85
Samsung	Exynos5250	Arm	Cortex-A15
	Exynos4412		Cortex-A9
Silicon Laboratories (formerly EnergyMicro)	EFM32LG Family	Arm	Cortex-M3
	EFM32GG Family		Cortex-M3
	EFM32PG Family		Cortex-M4F
Socionext	MB86M30, MB86M31	Arm	Cortex-A7
	SC2A11		Cortex-A53
STmicroelectronics	STM32MP151 Series, STM32MP157 Series	Arm	Cortex-A7, Cortex-M4
	STM32MP257 Series		Cortex-A35, Cortex-M33
	STM32F7 Series, STM32H7 Series		Cortex-M7
	STM32F4 Series, STM32G4 Series		Cortex-M4
	STM32F3 Series, STM32F2 Series, STM32F1 Series, STM32L1 Series		Cortex-M3
	STM32F0 Series, STM32L0 Series		Cortex-M0
	STM32H5 Series		Cortex-M33
Telechips	Dolphin+ (TCC803x)	Arm	Cortex-A53, Cortex-A7, Cortex-R5
Texas Instruments	AM64x	Arm	Cortex-A53, Cortex-R5
	AM654x		Cortex-A53, Cortex-R5, Cortex-M3
	AM5718, AM5728		Cortex-A15
	AM437x		Cortex-A9
	AM243x		Cortex-R5
	66AK2Gx, 66AK2Hx, 66AK2Ex		Cortex-A15
	OMAP5430/5432		Cortex-A15
	OMAP4430/4460		Cortex-A9
	OMAP3430/3530, AM33xx/37xx Series, DM816x, SM814x		Cortex-A8
	DM816x, SM814x		Cortex-M3
	Sterllaris LM3S Series		Cortex-M3
	OMAP24xx, OMAPV2230		Arm11, Arm9
	OMAP-L137/L138, OMAP1510, OMAP161x, AM17xx, AM18xx		Arm9
	Hercules TMS470R		Arm7
	Jacinto7 (J721E, J784S4, AM69)		Cortex-A72, Cortex-R5
	CC2538		Cortex-M3
YAMAHA	GP3	Arm	Cortex-A9
Toshiba Electronic Devices & Storage Corporation	TZ2100, GP2	Arm	Cortex-A9
	TMPR46x		Cortex-R4
	TX04 Series (TMPM4xx)		Cortex-M4
	TX03 Series (TMPM3xx)		Cortex-M3
	TMPV770		Cortex-A53, Cortex-R4, Cortex-M3

RISC-V

Vendor	Device Family	Architecture	Core
GigaDevice	GD32VF103 Series	RISC-V (RV32)	Bumblebee Core
NSITEXE	NS31	RISC-V (RV32)	NS31
Raspberry Pi	RP2350	RISC-V (RV32)	Hazard3
Renesas Electronics	R9A02G021	RISC-V (RV32)	Renesas RISC-V
SiFive	HiFive1 Rev B	RISC-V (RV32)	SiFive E31
StarFive	JH7110	RISC-V (RV64)	SiFive U74, SiFive S7

※内蔵フラッシュメモリ書き込みの対応につきましては、担当営業までお問い合わせください。

(* For inquiries regarding internal flash memory programming, please contact your sales representative.)

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