

# ARM Core

## 1. ARM7 core

ARM7TDMI / ARM7TDMI-AMBA / ARM710T/ ARM710T-AMBA/ ARM720T/ ARM720T-AMBA / ARM740T / ARM740T-AMBA / ARM7TDMI-S / ARM7EJ-S

### Supported ARM7 Processor/Chipset List

AD20MSP430/ AD65xx Series / ADUC702x Series / ADUC703x Series / ADUC7128/ AT75C220/ AT75C310/ AT75C320/ AT76C50x Series / AT76C510/ AT76C551/ AT76C901 / AT91SAM7x

BERYLLIUM / BU7611AKU

CS222xx Series / CS89712 / CL-PS7110 / CL-PS7111 /CL-SH8665 / CL-SH8668 / CSM5000 / CSM5200 / CDMAX / CLARITY

EP7209 / EP7211 / EP7212 / EP7309 / EP7311 / EP7312 / EP7339 / EP7407

GMS30C7201 / GP4020

HMS30C7202 / HMS31C2816 / HMS39C70512 / HMS39C7092 / HELIUM 100 / HELIUM 200 / HELIUM 210

LITHIUM / L7200 / L7205 / L7210 / L64324 / LOGIC CBP3.0 / LOGIC CBP4.0 / LOGIC L64324 /

LPC2xxx Series / LH7 Series

MT6223 / MTC-20276 / MTC-20277 / MTC-30585 / MTK-20141/ MTK-20280 / MTK-20285 / MKY-82A / MKY-85 / ML670100 / ML671000 / ML674000 / ML674001 / ML674080 / ML675K Series / ML67Q2300 / ML67Q2301 / ML67Q4002 / ML67Q4003 / ML67Q4100 / ML67Q5002 / ML67Q5003 / ML67Q5200 / ML67Q5300 / ML70511LA / ML7051LA / ML67Q5250 / MN1A7T0200 / MSM3000 / MSM3100 / MSM3300 / MSM5000 / MSM5100 / MSM5105 / MSM5200 / MSM5500 / MSM6000 / MSM6050 / MSM6200 / MSM6600 / MSP1000 / MT1020A / MT92101 / M40800 / M42800A / M55800A

NITROGEN / NUC501X Series / NUC7XX Series

PS7500FE/ PBM 990 90 / PMB7754 / PCD807xx Series / PCF2600x Series / PCF87750 / PCC-ISES / PCI2010 / PCI3610 / PCI3620 / PCI3700 / PCI3800 / PCI5110 / PCI9501

SJA2020 / SCORPION / SIRFSTARII / ST30F7 Series / STR710 / STR711 / STR712 / STR715 / STR710 Series /

STR712 Series / STR711 Series / STR715 Series / STR720 / STR73x / STR75x / STA2051 / STW2400 / S3C44B0 / S3C4510

TMS320VC5470 / TMS320VC5471 / TA7Sxx Series

UPLAT CORE

VCS94250 / VMS747 / VWS22100 / VWS22110 / VWS23112 / VWS23201 / VWS23202 / VWS26001

ETC...

\* Any processor/chipset based on ARM7 supported

## 2. ARM9 core

ARM910T / ARM920T / ARM922T / ARM926EJ-S / ARM940T / ARM946E-S / ARM966E-S / ARM968E-S / ARM9E-S / ARM9TDMI

### Supported ARM9 Processor/Chipset List

AT91RM9200/ AT91SAM9 Series / AAEC-2000

BCM21331 NFOSTREAM

CN9414/ CX22490/ CX22491/ CX22492/ CX22496/ CX82100/ Cronus / CX24153 / CX24155 / CX24482 / CX24486 / CX24487

DIGICOLOR-OA980/ DRAGONBALL MX1/ DM365

EP93xx Series / EPXAx Series / ERTEC200/ EPXAx EXCALIBUR Series/ ERTEC200 / ERTEC400

GDM7701

HELIUM 500

IOP321 / IOP331 / IOP332 / IOP333 / IOP342 / IXC1100 / IXP2325 / IXP2350 / IXP2400 / IXP2800 / IXP2805 / IXP2850 / XP2855 / IXP4xx Series / INFOSTREAM

i.MX21x Series / i.MX23x Series / i.MX27x Series / i.MX28x Series / i.MXx Series

KIRA100

LPC29xx / LPC30xx / LPC31xx / LPC32xx / LH7A Series

MC9328MX Series / MCIMX Series / ML67Q2003/ MSN6100 3G / MSM6250 / MSM6300 / MSM6500 / MSM7XXX / MSM6260 / MSM6275 / MSM6280 / MSM6800 / MT6516 / MV8602 /MV8620/ MV8630/ MV8508/MV8720/ MV8650/ MV8750/ MV8657/ MV78100 / ML67Q2003 /

NETX50 / NETX100/ NETX500/ NEXPERIA / NOMADIC / NS9360 / NS9750 / NS9775 / NEPTUNE / NVS2200 / NVS2200F/ NVS2300/ NVS3022 / NUC9xx Series

OMAP1510 / OMAP1512 / OMAP1610 / OMAP1611 / OMAP1612 / OMAP1710 / OMAP310 / OMAP5910 / OMAP5912 / OMAP710 / OMAP730 / OMAP732 / OMAP850 / OMAPV1030 / OMAPV1230 / OMAPV2230 / OMAP-L138

PMB2705(GOLD 1.5) / PMB2705(GOLD 2.1) / PMB2705(GOLD 3.3) / PMB2706(GOLD) / PMB2800(HIGOLD) / PMB2800HIGOLDV4(E-GOLD) / PMB2850(E-GOLD) / PMB6850(E-GOLD+) / PMB7850(EGOLD+V3) / PMB7860(E-GOLDLITE) / PMB7870(E-GOLDRADIO) / PMB7880(X-GOLD101) / PMB7890(X-GOLD102) / PMB7900(X-GOLD110) / PMB8810(X-GOLD213) / PMB80200 / PMB80219 / PMB80321 / PMB80331 / PMB80332 / PMB80333 / PMB81342 / PN4902

QSC60xx / QSC62xx

S3C200X/ S3C2410/ S3C2410X / S3C2440/ S3C2442/ S3C2500A/ S3C2510/ S3C2800X/ SH7A404 S3C2412, S3C2413, S3C2416, S3C2443, S3C2450 / S5L2010 / STR910x / STR911x / STR912x

T6TC1XB-0001, TMS320DM6443, TMS320DM6446, TMS320DM368 ,TMS320DRA442, TMS320DRA444, TMS320DRA446, TRITON-X, T8300 , T8302 , TavorP-TD(PXA920) , TCC76X : TCC764, TCC766, TCC767, TCC763, TCC768, TCC760, TCC761, TCC761T TCC72X , TCC73X ,TCC77X , TCC78X , TCC82X , TCC7901 , T6TC1XB-0001 , TavorP-ULC(PXA910)

88E6208 / 88E6218 / 88F5181 / 88F5181L / 88F5182 / 88FR101 / 88FR111 / 88FR301 / 88FR331 / 88FR531 / 88I6745 /88F5082 / 88F5180N / 88F6082 / 88F6180 / 80F6281

ETC...

\* Any processor/chipset based on ARM9 supported

### 3. ARM11 core

ARM1136J-S / ARM1136JF-S / ARM1156T2-S / ARM1156T2F-S / ARM1176JZ-S / ARM1176JZF-S / SMPCORE / ARM11MP

#### Supported ARM11 Processor/Chipset List

Atlas-V

i.MX31\_MCIMX31/ i.MX351, i.MX353, i.MX355, i.MX356, i.MX357, i.MX37

MSM7xxx/ MT625x / MV8910 / MXC91131/ MXC91231/ MXC91321/ MXC91323/ MXC91331 / M821xx

OMAP2410/ OMAP2420/ OMAP2430/ OMAPV2230/

PMB8800 / PMB8805 / PMB8819 / PMB9802 / PMB9801 / PMB9800

S3C6400 / S3C6410 / S3C6440/ S3C6450 / S5P6450 / SDR20 / SPICA

TCC890x / TCC91xx , TCC92xx / TCC93xx / Tegra APX2600

Quatro45xx / 88FR581V6

ETC...

\* Any processor/chipset based on ARM11 supported

#### 4. Xscale Processor/Chipset List

80200 / 80219 / 80321 / 80331 / 80332 / 80333 / 81342 / 81348/ IOP3xx Series / IXC1100 / IXP23xx Series /

IXP24xx Series / IXP42x Series / IXP43x Series / IXP4xx Series / PXA2xx Series/ PXA3xx Series / PXA800EF / PXA800F /

PXA901/ PXA920 / MO-NAHANS / HERMON

ETC...

\* Any processor/chipset based on Xscale supported

#### 5. CORTEX core

Cortex-A : Cortex-A5, Cortex-A8, Cortex-A9, Cortex-A7, Cortex-A15, Cortex-A5SMP, Cortex-A9SMP, Cortex-A7SMP, Cortex-A15SMP (2~4 Cores)

Cortex-R : Cortex-R4, Cortex-R5, Cortex-R7

Cortex-M : Cortex-M0, Cortex-M0+, Cortex-M1, Cortex-M3, Cortex-M4

#### Supported Cortex-A Processor/Chipset List

Samsung Exynos 3 / 4 / 5 Series

Mediatek MT8555, MT8580, MT6575, MT6577, MT6588, MT6589

TI OMAP 3 / 4 / 5 Series

Freescale i.MX 5 / 6 Series, Vybrid F / R Series

Qualcomm Snapdragon Series (~MSM8960), APQ8xxx

Telechips TCC892x, TCC880x

Trident PNX 84x Series

nVidia Tegra 2 / 3 / 4 Series

ETC...

\* Any processor/chipset based on Cortex-A supported

#### Supported Cortex-R Processor/Chipset List

TI TMS570 Series

ETC...

\* Any processor/chipset based on Cortex-R supported

#### Supported Cortex-M Processor/Chipset List

TI Stellar is LM3S Series

NXP LPC11 / 12 / 13 / 17 / 18 / 40 / 43 Series

ST STM32F Series

Atmel SAM3 Series

Nuvoton NUC / MINI / M Series

Samsung S3FN / S3FM Series

Freescale Kinetis K / L / M / W / X Series, Vybrid F / R Series

Mtekvision MV8510

ETC...

\* Any processor/chipset based on Cortex-M supported

## 6. Frarday core

FA526 / FA606TE / FA626 / FA626TE / FA369(FA606 & FA626) / FA726

### Supported Frarday Processor/Chipset List

NVS2200 / NVS2200F / NVS2300 / NVS3022 / NVS3211 / NVS3600 / NVS3260

ETC...

\* Any processor/chipset based on Faraday supported

## Andes Core

AndesCore N9 Family : N903-S, N903A-S ETC...

AndesCore N10 Family : N1033-S, N1033A-S ETC...

AndesCore N12 Family : N1213-S, N1233A-S ETC...