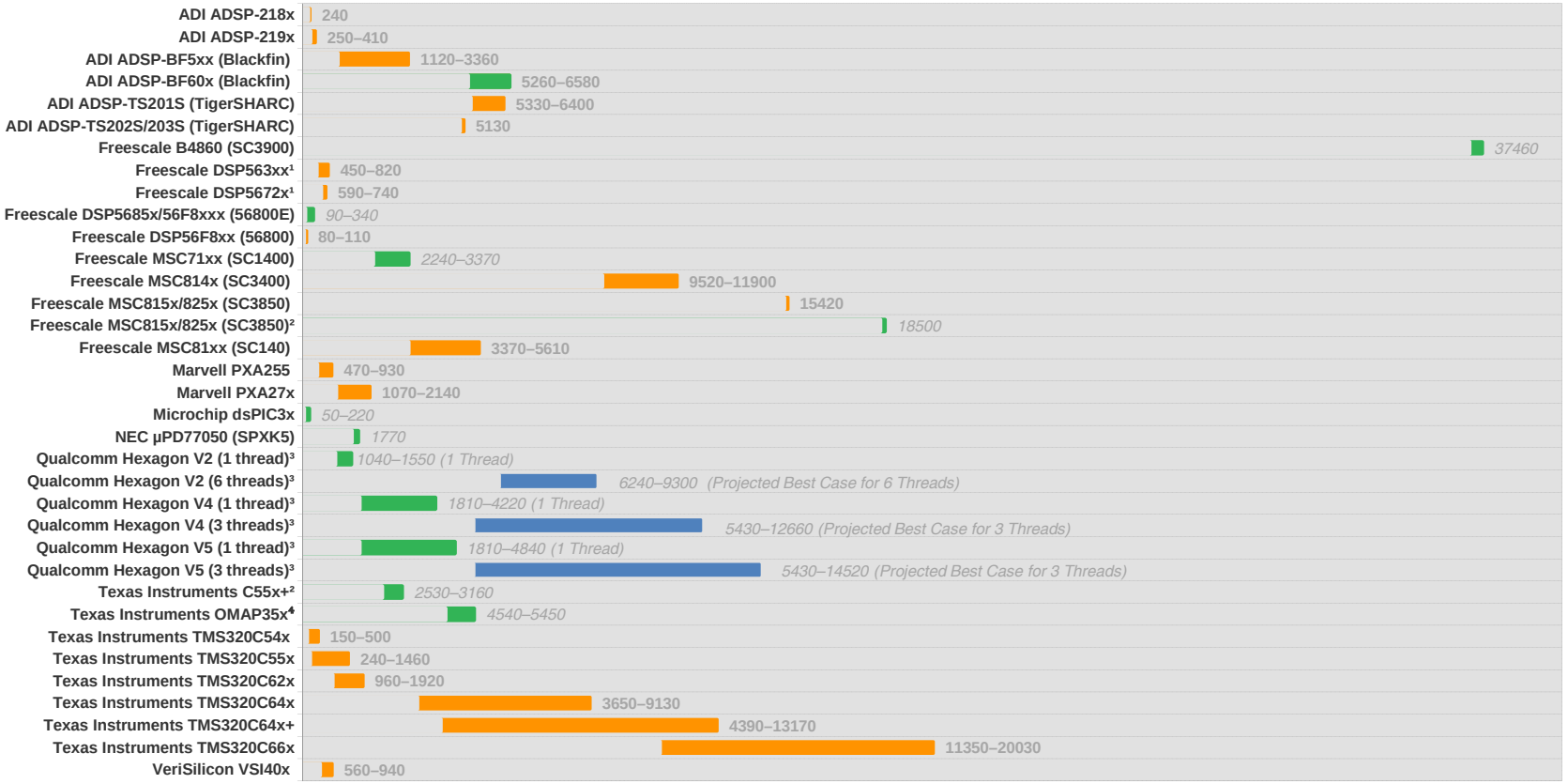
Speed Scores for Fixed-Point Packaged Processors (Higher is Better)

BDTImark2000™ and BDTIsimMark2000™ (Single-Core Scores)

Updated November 2013

See page 2 for details.



[1] **Benchmarked with 24-bit fixed-point data; all other processors benchmarked with 16-bit fixed-point data**

[2] **Not available to the general market**

[3] **Lower range of score is official single-thread BDTIsimMark2000, higher score is projecteded best case score using the maximum number of available threads (not an offical BDTIsimMark2000 score).**

[4] **Metrics are for ARM Cortex-A8 core only ('C64x+ DSP is also available in some family members)**

BDTIsimMark2000™ scores may be based on projected clock speeds.

For more information, see www.BDTI.com/Services/Benchmarks

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Processor Family	Clock Rate (min-max)	BDTImark2000™, *BDTIsimMark2000™* (min-max)
ADI ADSP-218x	80 MHz	**240**
ADI ADSP-219x	100–160 MHz	**250–410**
ADI ADSP-BF5xx (Blackfin)	200–600 MHz	**1120–3360**
ADI ADSP-BF60x (Blackfin)	400–500 MHz	***5260–6580***
ADI ADSP-TS201S (TigerSHARC)	500–600 MHz	**5330–6400**
ADI ADSP-TS202S/203S (TigerSHARC)	500 MHz	**5130**
Freescale B4860 (SC3900)	1200 MHz	***37460***
Freescale DSP563xx[1]	150–275 MHz	**450–820**
Freescale DSP5672x[1]	200–250 MHz	**590–740**
Freescale DSP5685x/56F8xxx (56800E)	32–120 MHz	***90–340***
Freescale DSP56F8xx (56800)	60–80 MHz	**80–110**
Freescale MSC71xx (SC1400)	200–300 MHz	**2240–3370**
Freescale MSC814x (SC3400)	800–1000 MHz	**9520–11900**
Freescale MSC815x/825x (SC3850)	1000 MHz	**15420**
Freescale MSC815x/825x (SC3850)[2]	1200 MHz	***18500***
Freescale MSC81xx (SC140)	300–500 MHz	**3370–5610**
Marvell PXA255	200–400 MHz	**470–930**
Marvell PXA27x	312–624 MHz	**1070–2140**
Microchip dsPIC3x	16–70 MHz	***50–220***
NEC µPD77050 (SPXK5)	250 MHz	***1770***
Qualcomm Hexagon V2 (1 thread)[3]	67–100 MHz (per thread)	***1040–1550 (1 Thread)***
Qualcomm Hexagon V2 (6 threads)[3]	67–100 MHz (per thread)	***6240–9300 (Projected Best Case for 6 Threads)***
Qualcomm Hexagon V4 (1 thread)[3]	100–233 MHz (per thread)	***1810–4220 (1 Thread)***
Qualcomm Hexagon V4 (3 threads)[3]	100–233 MHz (per thread)	***5430–12660 (Projected Best Case for 3 Threads)***
Qualcomm Hexagon V5 (1 thread)[3]	100–267 MHz (per thread)	***1810–4840 (1 Thread)***
Qualcomm Hexagon V5 (3 threads)[3]	100–267 MHz (per thread)	***5430–14520 (Projected Best Case for 3 Threads)***
Texas Instruments C55x+[2]	400–500 MHz	***2530–3160***
Texas Instruments OMAP35x[4]	600–720 MHz	***4540–5450***
Texas Instruments TMS320C54x	50–160 MHz	**150–500**
Texas Instruments TMS320C55x	50–300 MHz	**240–1460**
Texas Instruments TMS320C62x	150–300 MHz	**960–1920**
Texas Instruments TMS320C64x	400–1000 MHz	**3650–9130**
Texas Instruments TMS320C64x+	400–1200 MHz	**4390–13170**
Texas Instruments TMS320C66x	850–1500 MHz	**11350–20030**
VeriSilicon VSI40x	120–200 MHz	**560–940**

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BDTImark2000™, BDTIsimMark2000™: The BDTImark2000™ and BDTIsimMark2000™ provide a summary measure of signal processing speed. BDTIsimMark2000™ scores may be based on projected clock speeds. For more info and scores see www.BDTI.com/Services/Benchmarks