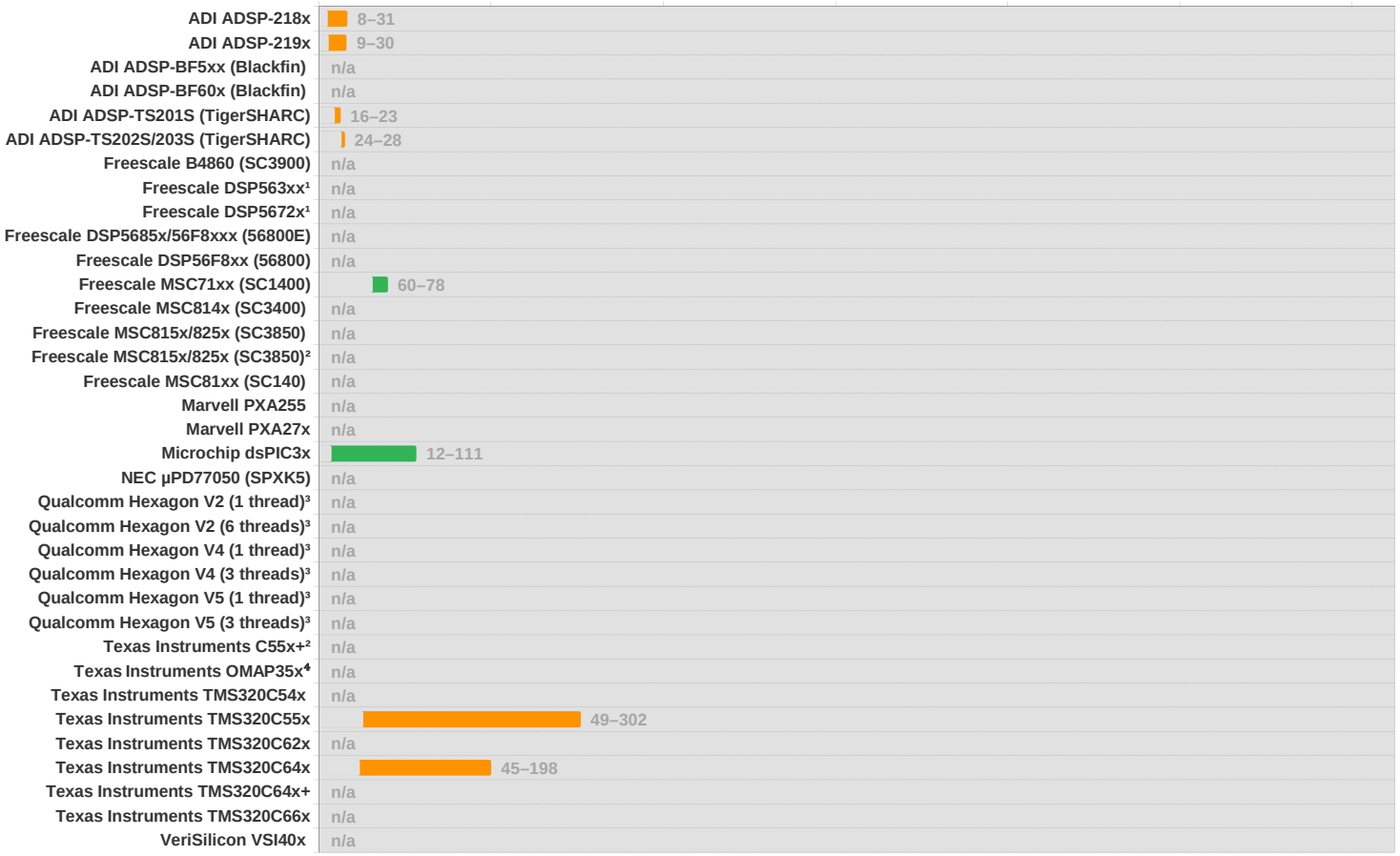
Speed per Dollar Ratios for Fixed-Point Packaged Processors (Single-Core Scores)

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

BDTIsimMark2000™ scores may be based on projected clock speeds. For information, see www.BDTI.com/Services/Benchmarks

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Processor Family	Clock Rate (min-max)	BDTImark2000™, *BDTIsimMark2000™* (min-max)	Cost 1K units (min-max)	BDTImark2000™/$, *BDTIsimMark2000™/$* (min-max)
ADI ADSP-218x	80 MHz	**240**	$8–31	**8–31**
ADI ADSP-219x	100–160 MHz	**250–410**	$13–33	**9–30**
ADI ADSP-BF5xx (Blackfin)	200–600 MHz	**1120–3360**	$4–43	**n/a**
ADI ADSP-BF60x (Blackfin)	400–500 MHz	**5260–6580**	$15–22	**n/a**
ADI ADSP-TS201S (TigerSHARC)	500–600 MHz	**5330–6400**	$252–339	**16–23**
ADI ADSP-TS202S/203S (TigerSHARC)	500 MHz	**5130**	$184–210	**24–28**
Freescale B4860 (SC3900)	1200 MHz	*37460*	$164–295	**n/a**
Freescale DSP563xx[1]	150–275 MHz	**450–820**	$6–46	**n/a**
Freescale DSP5672x[1]	200–250 MHz	**590–740**	$6–11	**n/a**
Freescale DSP5685x/56F8xxx (56800E)	32–120 MHz	*90–340*	n/a	**n/a**
Freescale DSP56F8xx (56800)	60–80 MHz	*80-110*	n/a	**n/a**
Freescale MSC71xx (SC1400)	200–300 MHz	**2240–3370**	$37–43	***60–78***
Freescale MSC814x (SC3400)	800–1000 MHz	**9520–11900**	$122–147	**n/a**
Freescale MSC815x/825x (SC3850)	1000 MHz	**15420**	$68–157	**n/a**
Freescale MSC815x/825x (SC3850)[2]	1200 MHz	*18500*	n/a	**n/a**
Freescale MSC81xx (SC140)	300–500 MHz	**3370–5610**	$78–121	**n/a**
Marvell PXA255	200–400 MHz	**470–930**	n/a	**n/a**
Marvell PXA27x	312–624 MHz	*1070–2140*	n/a	**n/a**
Microchip dsPIC3x	16–70 MHz	*50–220*	$2–8	***12–111***
NEC µPD77050 (SPXK5)	250 MHz	*1770*	n/a	**n/a**
Qualcomm Hexagon V2 (1 thread)[3]	67–100 MHz	*1040–1550*	n/a	**n/a**
Qualcomm Hexagon V2 (6 threads)[3]	67–100 MHz	*6240–9300*	n/a	**n/a**
Qualcomm Hexagon V4 (1 thread)[3]	100–233 MHz	*1810–4220*	n/a	**n/a**
Qualcomm Hexagon V4 (3 threads)[3]	100–233 MHz	*5430–12660*	n/a	**n/a**
Texas Instruments C55x+[2]	400–500 MHz	**2530–3160**	n/a	**n/a**
Texas Instruments OMAP35x[4]	600–720 MHz	**4540–5450**	$23–38	**n/a**
Texas Instruments TMS320C54x	50–160 MHz	*150–500*	$4–134	**n/a**
Texas Instruments TMS320C55x	50–300 MHz	**240–1460**	$2–18	**49–302**
Texas Instruments TMS320C62x	150–300 MHz	*960–1920*	n/a	**n/a**
Texas Instruments TMS320C64x	400–1000 MHz	**3650–9130**	$18–202	**45–198**
Texas Instruments TMS320C64x+	400–1200 MHz	**4390–13170**	$10–216	**n/a**
Texas Instruments TMS320C66x	850–1500 MHz	**11350–20030**	$34–399	**n/a**
VeriSilicon VSI40x	120–200 MHz	**560–940**	n/a	**n/a**

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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 information see **www.bdti.com/Services/Benchmarks**

Note: In general, BDTImark2000™/$ and BDTIsimMark2000™/$ scores cannot be computed from the speed and pricing data presented here. For example, the fastest processors are not always the most expensive processors. Therefore, it is not always possible to calculate a speed per dollar ratio by dividing the maximum speed for a family by the maximum price for the family.