

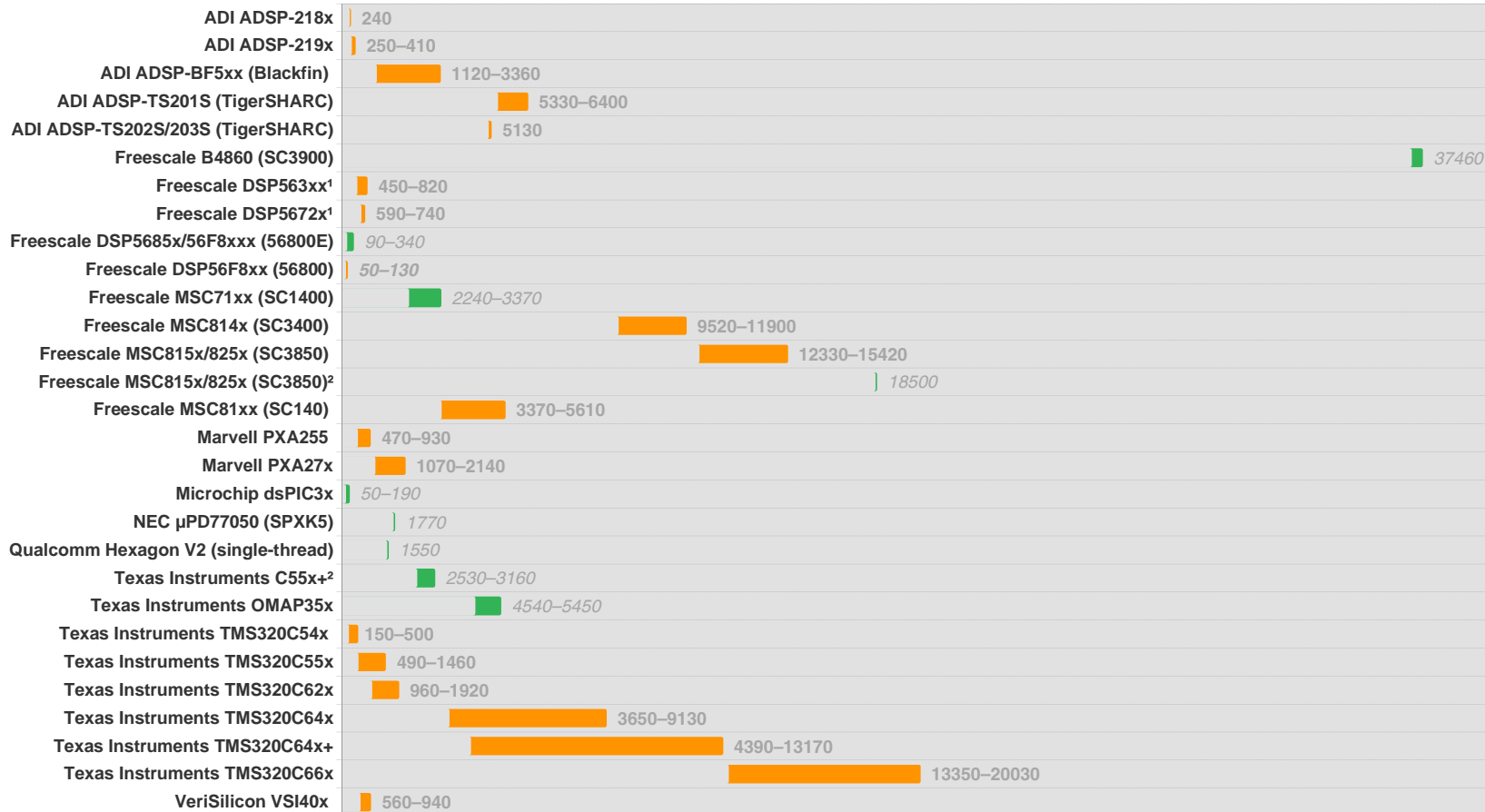
Speed Scores for Fixed-Point Packaged Processors (Higher is Better) BDTImark2000™ and BDTIsimMark2000™ (Single-Core / Single-Thread Scores)

Updated March 2012

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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

■ BDTImark2000™ ■ BDTIsimMark2000™

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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-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	<i>90–340</i>
Freescale DSP56F8xx (56800)	60–80 MHz	<i>50–130</i>
Freescale MSC71xx (SC1400)	200–300 MHz	2240–3370
Freescale MSC814x (SC3400)	800–1000 MHz	9520–11900
Freescale MSC815x/825x (SC3850)	800–1000 MHz	12330–15420
Freescale MSC815x/825x (SC3850) ²	1200 MHz	<i>18500</i>
Freescale MSC81xx (SC140)	300–500 MHz	3370–5610
Marvell PXA255	200–400 MHz	470–930
Marvell PXA27x	312–624 MHz	<i>1070–2140</i>
Microchip dsPIC3x	16–60 MHz	<i>50–190</i>
NEC μPD77050 (SPXK5)	250 MHz	<i>1770</i>
Qualcomm Hexagon V2 (single-thread)	100 MHz	<i>1550</i>
Texas Instruments C55x+ ²	400–500 MHz	2530–3160
Texas Instruments OMAP35x	600–720 MHz	4540–5450
<i>Texas Instruments TMS320C54x</i>	<i>50–160 MHz</i>	<i>150–500</i>
<i>Texas Instruments TMS320C55x</i>	<i>100–300 MHz</i>	490–1460
<i>Texas Instruments TMS320C62x</i>	<i>150–300 MHz</i>	<i>960–1920</i>
Texas Instruments TMS320C64x	400–1000 MHz	3650–9130
Texas Instruments TMS320C64x+	400–1200 MHz	4390–13170
Texas Instruments TMS320C66x	1000–1500 MHz	13350–20030
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