

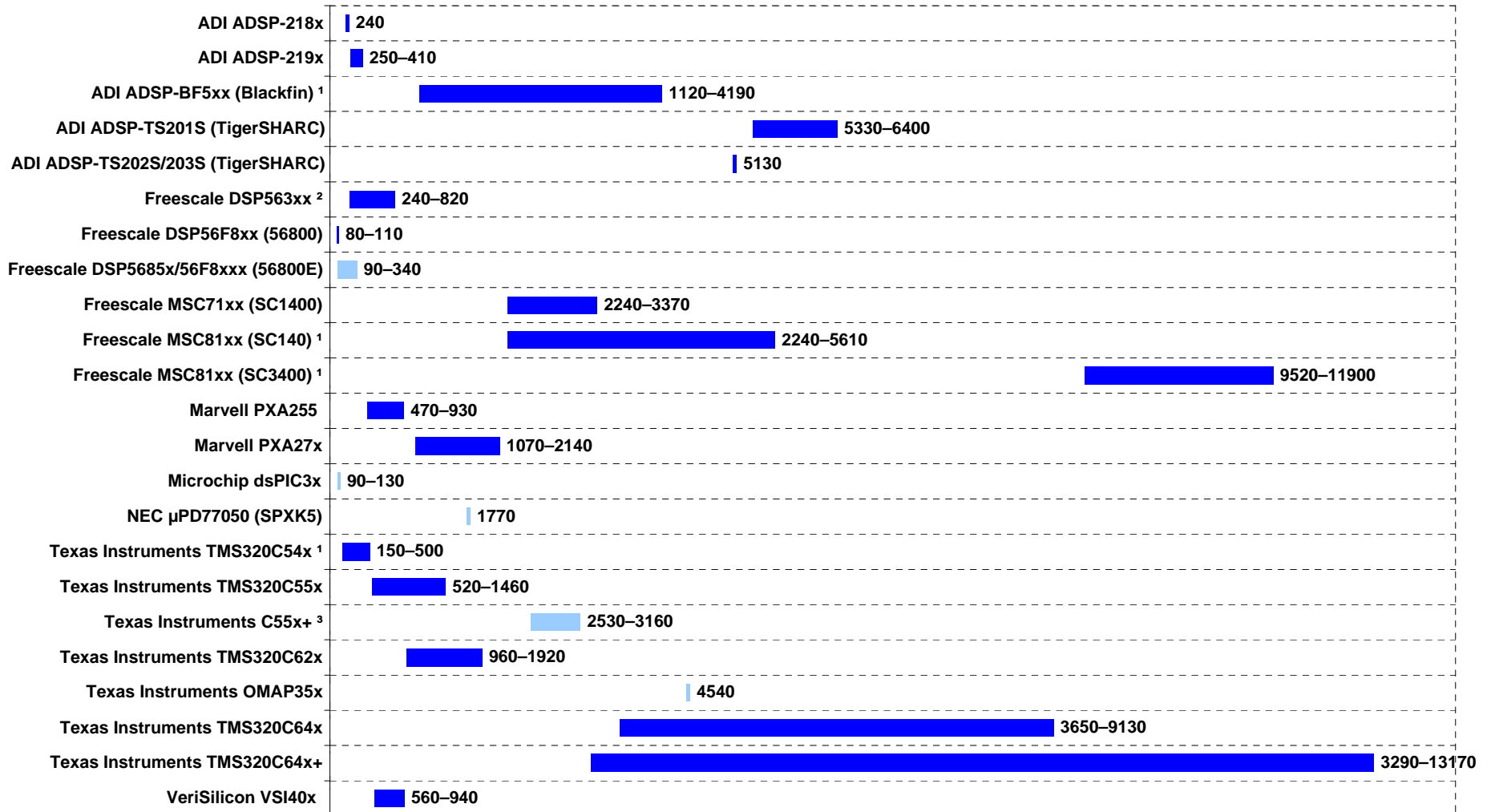
Speed Scores for Fixed-Point Packaged Processors

Updated April 2009

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See page 2 for details.



¹ For one core

² Benchmarked with 24-bit fixed-point data; all other processors benchmarked with 16-bit fixed-point data

³ The C55x+ is only available in custom wireless handset products

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



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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) ¹	200–750 MHz	1120–4190
ADI ADSP-TS201S (TigerSHARC)	500–600 MHz	5330–6400
ADI ADSP-TS202S/203S (TigerSHARC)	500 MHz	5130
Freescale DSP563xx ²	80–275 MHz	240–820
Freescale DSP56F8xx (56800)	60–80 MHz	80–110
Freescale DSP5685x/56F8xxx (56800E)	32–120 MHz	<i>90–340</i>
Freescale MSC71xx (SC1400)	200–300 MHz	2240–3370
Freescale MSC81xx (SC140) ¹	200–500 MHz	2240–5610
Freescale MSC81xx (SC3400) ¹	800–1000 MHz	9520–11900
Marvell PXA255	200–400 MHz	470–930
Marvell PXA27x	312–624 MHz	1070–2140
Microchip dsPIC3x	30–40 MHz	<i>90–130</i>
NEC μPD77050 (SPXK5)	250 MHz	<i>1770</i>
Texas Instruments TMS320C54x ¹	50–160 MHz	150–500
Texas Instruments TMS320C55x	108–300 MHz	520–1460
<i>Texas Instruments C55x+ ³</i>	400–500 MHz	<i>2530–3160</i>
<i>Texas Instruments TMS320C62x</i>	150–300 MHz	960–1920
<i>Texas Instruments OMAP35x</i>	600 MHz	<i>4540</i>
Texas Instruments TMS320C64x	400–1000 MHz	3650–9130
Texas Instruments TMS320C64x+	300–1200 MHz	3290–13170
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/benchmarks.html