

16-Bit DSP Key Products

Recommended for New Designs

Blackfin™ DSP	Package	Max MMACs	Vcc	Program and Data Memory Words	Status	Price*
ADSP-21535P	B	600	1.5V	154K	Samples Now Release July 2002	\$32.00
ADSP-21532S	CA	600	2.25-3.6V**	58K***	Samples Summer 2002 Release 1Q03	\$11.50

ADSP-21xx DSP	Package	Max MMACs	Vcc	Program Memory Words	Data Memory Words	Status	Price*
ADSP-2191M	ST,CA	160	2.5V	32K	32K	Released	\$16.85
ADSP-2195M	ST,CA	160	2.5V	32K***	16K	Released	\$13.90
ADSP-2196M	ST,CA	160	2.5V	24K***	8K	Released	\$11.10
ADSP-2188N	ST,CA	80	1.8V	48K	56K	Released	\$26.00
ADSP-2189N	ST,CA	80	1.8V	32K	48K	Released	\$21.00
ADSP-2187N	ST,CA	80	1.8V	32K	32K	Released	\$17.00
ADSP-2185N	ST,CA	80	1.8V	16K	16K	Released	\$9.50
ADSP-2186N	ST,CA	80	1.8V	8K	8K	Released	\$7.25
ADSP-2184N	ST,CA	80	1.8V	4K	4K	Released	\$5.75
ADSP-2188M	ST,CA	75	2.5V	48K	56K	Released	\$28.00
ADSP-2189M	ST,CA	75	2.5V	32K	48K	Released	\$23.00
ADSP-2185M	ST,CA	75	2.5V	16K	16K	Released	\$10.00
ADSP-2186M	ST,CA	75	2.5V	8K	8K	Released	\$7.50

Packages: ST = Thin Quad Flat Pack (LQFP)
CA = Mini Ball Grid Array

B = Plastic Ball Grid Array

* US Dollars. Lowest grade suggested resale price per unit in 1000 unit quantities
All pricing is budgetary – subject to change

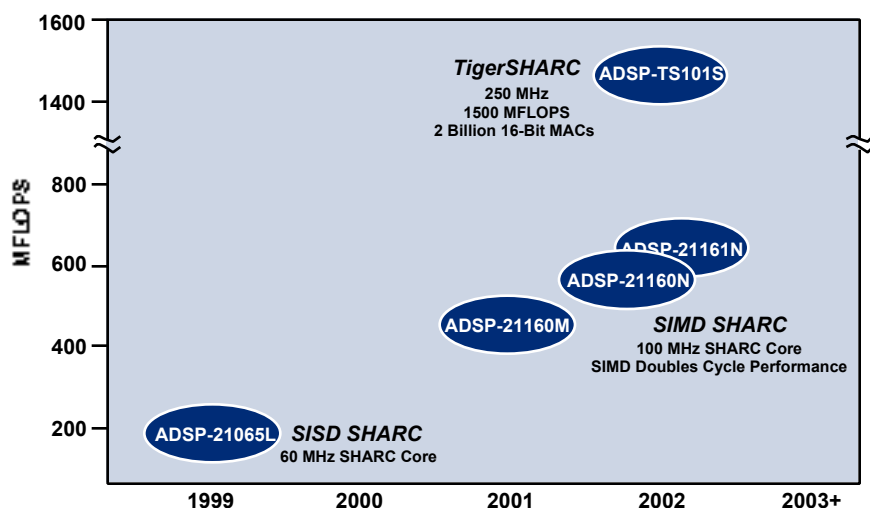
** External voltage range – core voltage regulation on-chip

*** Includes 16K words ROM

Development Tools	ADSP-218x M/N	ADSP-219x	Blackfin DSP
Evaluation Development Platform	ADDS-2189M-EZLITE \$295	ADDS-2191-EZLITE \$295	ADDS-21535-EZLITE \$295
Emulator	ADDS-218X-ICE-2.5V \$1995	ADDS-APEX-ICE \$4995 ADDS-SUMMIT-ICE \$4995	
VisualDSP++ Development Software	VDSP-21XX-PC-FULL \$3500 VDSP-21XX-PC-FLOAT \$4250		VDSP-BLKFN-PC-FULL \$3500 VDSP-BLKFN-PC-FLOAT \$4250

Note: DSP tools pricing is US dollars and subject to change at anytime. Volume discounts are available for VisualDSP++.
Please contact your local ADI sales representative or distributor for more information.

SHARC® and TigerSHARC® DSP Key Products Recommended for New Designs



32-Bit Generic	Package	Max MFLOPS	Vcc	On-Chip SRAM	Status	Price*
ADSP-21161N	CA	600	1.8/3.3V	1 Mbits	Samples Now Release 2Q02	\$24.63
ADSP-21160M	B	480	2.5/3.3V	4 Mbits	Released	\$145.00
ADSP-21160N	B	570	1.9/3.3V	4 Mbits	Samples Now Release 3Q02	\$145.00
ADSP-21065L	S, CA	198	3.3V	544 Kbits	Released	\$19.50
ADSP-TS101S	B	1500	1.2/3.3V	6 Mbits	Samples Now Release 4Q02	\$207.00

Packages: B = Plastic Ball Grid Array (PBGA)
S = Plastic Quad Flat Pack (PQFP)
CA = Mini Ball Grid Array

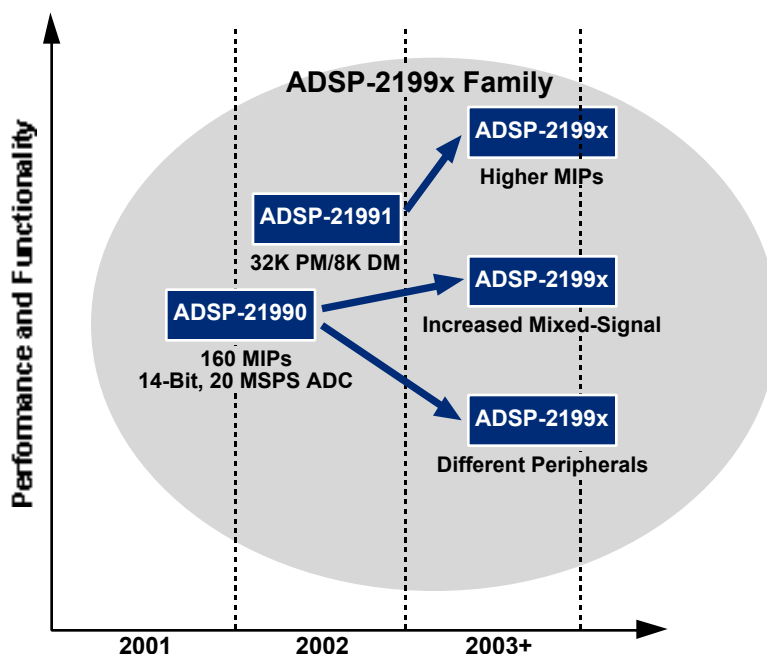
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Processor	Evaluation Development Platform	Emulator	Development Software
ADSP-21161N	ADDS-21161N-EZLITE \$495	ADDS-APEX-ICE \$4995 ADDS-SUMMIT-ICE \$4995	VDSP-SHARC-PC-FULL \$3500 VDSP-SHARC-PCFLOAT \$4250
ADSP-21160M	ADDS-21160-EZLITE \$595 (Available 2Q02)	ADDS-APEX-ICE \$4995 ADDS-SUMMIT-ICE \$4995	VDSP-SHARC-PC-FULL \$3500 VDSP-SHARC-PCFLOAT \$4250
ADSP-21160N	ADDS-21160N-EZLITE \$650 (Available 3Q02)	ADDS-APEX-ICE \$4995 ADDS-SUMMIT-ICE \$4995	VDSP-SHARC-PC-FULL \$3500 VDSP-SHARC-PCFLOAT \$4250
ADSP-21065L	ADDS-21065L-EZLITE \$299	ADDS-APEX-ICE \$4995 ADDS-SUMMIT-ICE \$4995	VDSP-SHARC-PC-FULL \$3500 VDSP-SHARC-PCFLOAT \$4250
ADSP-TS101S	ADDS-TS101S-EZLITE \$995	ADDS-APEX-ICE \$4995 ADDS-SUMMIT-ICE \$4995	VDSP-TS-PC-FULL \$3500 VDSP-TS-PCFLOAT \$4250

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Mixed Signal DSP Key Products

Recommended for New Designs



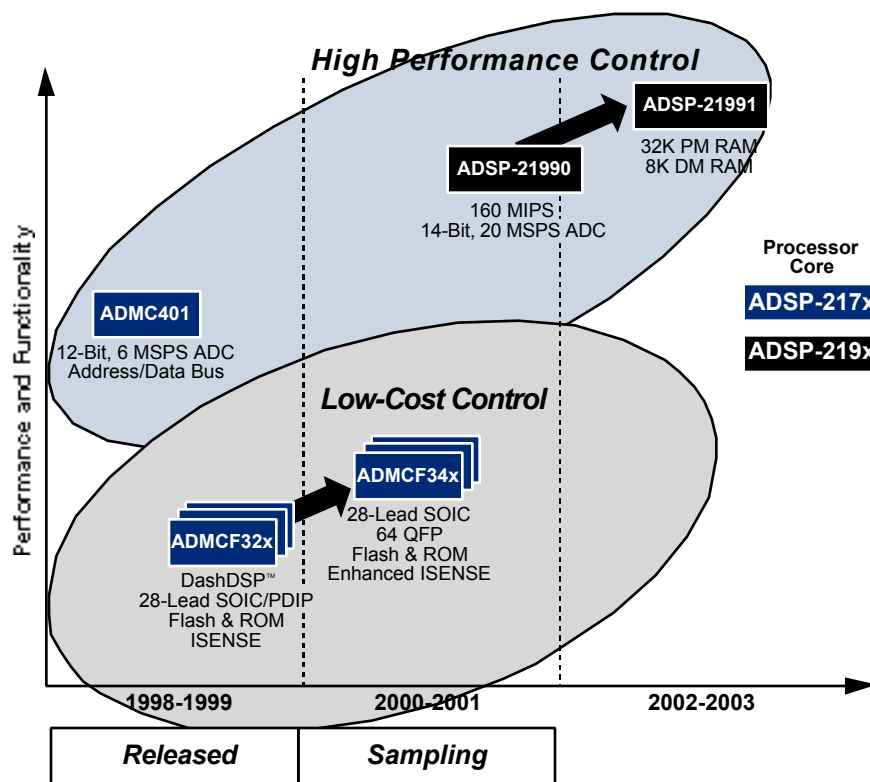
Device	ST, BC	Max MIPS	Program RAM Words	Data RAM Words	ADC	Status
ADSP-21990	ST, BC	160	4K	4K	14-Bit 20 MSPS	Samples Now Release 2Q02
ADSP-21991		160	32K	8K	14-Bit 20 MSPS	Samples 3Q02 Release 4Q02

Packages: ST = Thin Quad Flat Pack (LQFP)
BC = Mini Ball Grid Array (10 x 10 mm)

Processor	Evaluation Development Platform	Emulator	Development Software
ADSP-2199X	ADDS-21990-EZLITE \$495	ADDS-APEX-ICE \$4995 ADDS-SUMMIT-ICE \$4995	VDSP-21XX-PC-FULL \$3500 VDSP-21XX-PCFLOAT \$4250

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Embedded DSP-Based Control Key Products Recommended for New Designs



Device	Package	Max MIPS	Program RAM	Program FLASH	Program ROM	Data RAM	ADC	Price*
ADCM401	144-LQFP	26	2K		2K	1K	8 Channel, 12-Bit	\$19.95
ADMC32x	28-SOIC	20	0.5K		4K	0.5K	Varies	**CF
ADCMCF32x	28-SOIC	20	0.5K	4K		0.5K	Varies	\$11.65
ADMC341/F341	28-SOIC	20	0.5K	4K (F341)	4K (341)	0.5K	6 Channel, 10-Bit	**CF
ADMC340/F340	64-TQFP	20	0.5K	4K (F340)	4K (340)	0.5K	13 Channel, 10-Bit	**CF

* US Dollars. Lowest grade suggested resale price per unit in 1000 unit quantities

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** CF = Contact factory for pricing

Device	Evaluation Development Platform	Price
ADMC401	ADMC401-ADVEVALKIT	\$395
ADMC32x/F32x	ADCMCF326-EVALKIT ADCMCF327-EVALKIT ADCMCF328-EVALKIT	\$395
ADMC341/F341	ADCMCF341-EVALKIT	\$395
ADMC340/F340	ADCMCF340-EVALKIT	\$395