



**Everest Semiconductor Audio ADC, DAC, CODEC Product Selection Guide**  
苏州顺芯半导体产品系列

	Channel	Package	Master Or Slave	Master Clock <sup>Note 1</sup>	SNR (dB)	THD+N (dB)	Head Phone Amp	Speaker Amp	Line Driver	PLL	Special Function	Supply Voltage (V)
<b>High Performance ADC, DAC, CODEC Series</b>												
ES7134S	2-ch DAC	SOP-8	Slave	S	95	-85						3 to 3.6
ES7144S	2-ch DAC	TSSOP-10	Slave	S	100	-85						3 to 3.6
ES7145LV	2-ch DAC	TSSOP-10	Slave	S	100	-85						3 to 5.5
ES7148	2-ch DAC	2.5x2.5 QFN-12	Slave	S	100	-85						3 to 3.6
ES7149	2-ch DAC	2.5x2.5 QFN-12	Slave	S	106	-85					Differential output	3 to 3.6
ES7201	2-ch ADC	2.5x2.5 QFN-12	Master	S/USB/NS	90	-85					PDM ADC, fixed 26 dB PGA gain	1.7 to 3.6
ES7202	2-ch ADC	3x3 QFN-16	Master	S/USB/NS	95	-88					PDM ADC	1.7 to 3.6
ES7210	4-ch ADC	4x4 QFN-32	Both	S/USB/NS	102	-85					Up to 16-ch TDM/I <sup>2</sup> S	1.7 to 3.6
ES7210L	4-ch ADC	4x4 QFN-32	Both	S/USB/NS	101	-90					Up to 16-ch TDM/I <sup>2</sup> S	1.62 to 1.98
ES7241D	2-ch ADC	3x3 QFN-16	Both	S/USB/NS	100	-85						3 to 3.6
ES7242	2-ch ADC	4x4 QFN-24	Both	S/USB/NS	100	-85					4:1 analog mux input	3 to 3.6
ES7243	2-ch ADC	3x3 QFN-20	Both	S/USB/NS	102	-85					Up to 16-ch TDM/I <sup>2</sup> S	1.7 to 3.6
ES7243E	2-ch ADC	3x3 QFN-20	Both	S/USB/NS	101	-90					Up to 16-ch TDM/I <sup>2</sup> S	1.7 to 3.6
ES7243L	2-ch ADC	3x3 QFN-20	Both	S/USB/NS	101	-90					Up to 16-ch TDM/I <sup>2</sup> S	1.62 to 1.98
ES7243Q	2-ch ADC	3x3 QFN-20	Both	S/USB/NS	101	-90					AEC-Q100 of ES7243E	1.7 to 3.6
<b>Low Power ADC, DAC, CODEC Series</b>												
ES8156	2-ch DAC	3x3 QFN-20	Both	S/USB/NS	110	-80	Yes		Yes		7-band PEQ, DRC	1.6 to 3.6
ES8156Q	2-ch DAC	3x3 QFN-20	Both	S/USB/NS	110	-80	Yes		Yes		AEC-Q100 of ES8156	1.6 to 3.6
ES8218E	1-ch ADC	3x3 QFN-28	Both	S/USB/NS	95	-85						1.6 to 3.6
ES8311	1-ch DAC 1-ch ADC	3x3 QFN-20	Both	S/USB/NS	DAC 110 ADC 100	DAC -80 ADC -93	Yes		Yes		Noise reduction filter DAC DRC	1.6 to 3.6
ES8311Q	1-ch DAC 1-ch ADC	3x3 QFN-20	Both	S/USB/NS	DAC 110 ADC 100	DAC -80 ADC -93	Yes		Yes		AEC-Q100 of ES8311	1.6 to 3.6
ES8312	1-ch DAC 1-ch ADC	4x4 QFN-28	Both	S/USB/NS	DAC 110 ADC 100	DAC -80 ADC -93	Yes		Yes		Noise reduction filter DAC DRC, FM in	1.6 to 3.6
ES8316	2-ch DAC 1-ch ADC	4x4 QFN-32	Both	S/USB/NS	DAC 96 ADC 95	DAC -83 ADC -85	Yes (ground centered)		Yes		3-band PEQ	1.7 to 3.6
ES8323S	2-ch DAC 1-ch ADC	4x4 QFN-28	Both	S/USB	DAC 96 ADC 95	DAC -83 ADC -85	Yes		Yes			1.7 to 3.6
ES8326	2-ch DAC 1-ch ADC	4x4 QFN-32	Both	S/USB/NS	DAC 100 ADC 102	DAC -85 ADC -90	Yes (ground centered)		Yes		4-ch DMIC, OMTP/CTIA auto switch, 4-button detection	1.6 to 3.6
ES8327	2-ch DAC 1-ch ADC	4x4 QFN-32	Both	S/USB/NS	DAC 100 ADC 102	DAC -85 ADC -90	Yes (ground centered)		Yes		2:1 analog mux input, OMTP/CTIA auto switch, 4-button detection	1.6 to 3.6
ES8374	1-ch DAC 1-ch ADC	4x4 QFN-28	Both	S/USB/NS	DAC 96 ADC 95	DAC -83 ADC -85	Yes	Class D	Yes	Yes	Noise reduction filter	3 to 5.5
ES8388	2-ch DAC 2-ch ADC	4x4 QFN-28	Both	S/USB	DAC 96 ADC 95	DAC -83 ADC -85	Yes		Yes			1.5 to 3.6
ES8396	2-ch DAC 2-ch ADC	6x6 QFN-48	Both	S/USB/NS	DAC 96 ADC 95	DAC -83 ADC -85	Yes (ground centered)	Class D	Yes	Yes	Dual I <sup>2</sup> S/PCM 6-band PEQ	1.7 to 3.6

Note 1: S - standard audio clock (256Fs, 384Fs, 512Fs, etc); USB - USB clock (12/24M); NS - non standard audio clock (13M, 19.2M, 25M, 26M, etc)

Updated December 2021

Website: [www.everest-semi.com](http://www.everest-semi.com); Contact: [info@everest-semi.com](mailto:info@everest-semi.com)