

	TLV320AIC31	TLV320AIC34	TLV320AIC3100	TLV320AIC3101	TLV320AIC3104	TLV320AIC3105	TLV320AIC3106	TLV320AIC3107	TLV320AIC3111	TLV320AIC3120	TLV320AIC3204	TLV320AIC3206	TLV320AIC3254	TLV320AIC3256	TLV320AIC3262	TLV320AIC3263	TLV320AIC3268
<b>ADC</b>	Stereo	Multi-channel	Mono	Stereo	Stereo	Stereo	Stereo	Stereo	Mono	Mono	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo
<b>DAC</b>	Stereo	Multi-channel	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo	Mono	Mono	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo	Stereo
<b>ADC Channels</b>	4	4	1	2	2	2	2	2	1	1	2	2	2	2	2	2	2
<b>DAC Channels</b>	2	4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
<b>Analog Inputs</b>	6 inputs	12 inputs	3 inputs	6 inputs	6 inputs	6 inputs	10 inputs	7 inputs	3 inputs	3 inputs	6 inputs	6 inputs	6 inputs	6 inputs	8 inputs	8 inputs	8 inputs
<b>Analog Outputs</b>	6 outputs	14 outputs	3 outputs	6 outputs	6 outputs	6 outputs	7 outputs	6 outputs	4 outputs	2 outputs	6 outputs	4 outputs	6 outputs	4 outputs	7 outputs	7 outputs	7 outputs
<b>miniDSP</b>	No	No	No	No	No	No	No	No	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes
<b>ADC SNR</b>	92dB	92dB	91dB	92dB	92dB	92dB	92dB	92dB	91dB	90dB	93dB	93dB	93dB	93dB	93dB	93dB	95dB
<b>DAC SNR</b>	100dB	102dB	95dB	102dB	102dB	102dB	102dB	97dB	95dB	95dB	100dB	100dB	100dB	100dB	101dB	101dB	105dB
<b>Control I/F</b>	I2C	I2C	I2C	I2C	I2C	I2C	I2C/SPI	I2C	I2C	I2C	I2C/SPI	I2C/SPI	I2C/SPI	I2C/SPI	I2C/SPI	I2C/SPI	I2C/SPI
<b>Audio I/F</b>	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/DSP	I2S/LIF/RJF/TDM/DSP	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/DSP/TDM	I2S/PSM	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/TDM/DSP	I2S/LIF/RJF/DSP/TDM	I2S/LIF/RJF/DSP/TDM	I2S/TDM/DSP/LIF/RJF/PCM	I2S/TDM/DSP/LIF/RJF/PCM	I2S/TDM/DSP/LIF/RJF/PCM
<b>Class D Amplifier</b>	N/A	N/A	Mono Class-D BTL Speaker Drive (2.5 W Into 4 Ω or 1.6 W Into 8 Ω)	N/A	N/A	N/A	N/A	Mono 1W Class D BTL 8 ohm Speaker Driver	Stereo 1.29W Class D BTL 8 ohm Speaker Driver	Mono Class D BTL Speaker Driver (2.5W into 4 ohm or 1.6W into 8 ohm)	N/A	N/A	N/A	N/A	Stereo Class D Speaker Drivers 1.7 W (8 Ω, 5.5 V, 10% THDN) 1.4 W (8 Ω, 5.5 V, 1% THDN)	Class-D Speaker Driver 1.7 W (8Ω, 5.5V, 10% THDN) 1.4 W (8Ω, 5.5V, 1% THDN)	Class-D Speaker Driver 1.45 W (8Ω, 5V, 10% THDN) 1.15 W (8Ω, 5V, 1% THDN)
<b>AVDD</b>	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	2.7V to 3.6V	1.5V to 1.95V	1.5V to 1.95V	1.5V to 1.95V	1.5V to 1.95V	AVDDx_18: 1.5V to 1.95V AVDDx_33: 1.65V to 3.6V	1.5V to 1.95V	1.5V to 1.95V
<b>DV<sub>DD</sub></b>	1.65V to 1.95V	1.65V to 1.95V	1.65V to 1.95V	1.525V to 1.95V	1.525V to 1.95V	1.525V to 1.95V	1.65V to 1.95V	1.525V to 1.95V	1.65V to 1.95V	1.65V to 1.95V	1.26V to 1.95V	1.26V to 1.95V	1.26V to 1.95V	1.26V to 1.95V	1.26 to 1.95V	1.26 to 1.95V	1.26 to 1.95V
<b>IOV<sub>DD</sub></b>	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1 to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V
<b>SPKVDD</b>	N/A	N/A	2.7V to 5.5V	N/A	N/A	N/A	N/A	2.7V to 5.5V	2.7V to 5.5V	2.7V to 5.5V	N/A	N/A	N/A	N/A	2.7V to 5.5V	2.7V to 5.5V	2.7V to 5.5V
<b>Sample Rates</b>	8kHz to 96kHz	8kHz to 96kHz	8kHz to 192kHz	8kHz to 96kHz	8kHz to 96kHz	8kHz to 96kHz	8kHz to 96kHz	8kHz to 96kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz
<b>Package</b>	32-pins 5x5 VQFN	87-pin 6x6 NFBGA	32-pin 5x5 VQFN	32-pins 5x5 VQFN	32-pins 5x5 VQFN	32-pin 5x5 VQFN	48-pins 7x7 VQFN; 80 pin 5x5 VFBGA	42-pin 3.25x3.75 DSBGA; 40-pin 5x5 WQFN	32-pin 5x5 VQFN	32-pin 5x5 VQFN	32-Pin 5x5 VQFN	42-pin 3.25x3.75 DSBGA; 40-pin 5x5 WQFN	32-pin 5x5 VQFN	42-pin 3.25x3.75 DSBGA; 40-pin 5x5 WQFN	81-pin 4.81x4.81x0.625 DSBGA	81-pin 4.81x4.81x0.625 DSBGA	64-pin 9x9 VQFN
<b>Applications</b>	Smartphones, PDAs, and portable computing, communication, and entertainment applications	Digital Cameras, Smart Cellular Phones	Portable Audio Devices, Mobile Internet Devices, Adaptive Filtering Applications	Digital Cameras, Smart Cellular Phones	Headsets, IP Network Cameras, IP telephones, Wireless Speakers	Digital Cameras, Smart Cellular Phones	Digital Cameras, Smart Cellular Phones	Cellular Handsets, Digital Cameras, Portable Media Players, General Portable Audio Equipment	Portable Audio Devices, Mobile Internet Devices, Adaptive Filtering Applications	Portable Audio Devices, Mobile Internet Devices, eBooks, Adaptive Filtering Applications	Portable Navigation Devices, Portable Media Player, Mobile Handsets, Communication, Portable Computing	Portable Navigation Devices, Portable Media Player, Mobile Handsets, Communication, Portable Computing	Portable Navigation Devices, Portable Media Player, Mobile Handsets, Communication, Portable Computing, Advanced DSP algorithms	Portable Navigation Devices, Portable Media Player, Mobile Handsets, Communication, Portable Computing, Advanced DSP algorithms	Mobile Handsets, Tablets and eBooks, Portable Navigation Devices, Portable Media Player, Portable Gaming Systems, Portable Computing, Noise Suppression, Speaker Protection, Advanced DSP Algorithms	Mobile Handsets, Tablets and eBooks, Portable Navigation Devices, Portable Media Player, Portable Gaming Systems, Portable Computing, Noise Suppression, Speaker Protection, Advanced DSP Algorithms	Low Power Portable Audio Devices, Consumer Audio Devices, Infotainment Systems
<b>Driver Link</b>	<a href="#">TLV320AIC31XX-LINUX</a>			<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC32X4SW-LINUX</a>	<a href="#">TLV320AIC32X6-DRIVERS</a>	<a href="#">TLV320AIC32X5-DRIVERS</a>	<a href="#">TLV320AIC32X5-DRIVERS</a>	<a href="#">TLV320AIC32X6-DRIVERS</a>	<a href="#">TLV320AIC32X6-DRIVERS</a>	<a href="#">TLV320AIC32X6-DRIVERS</a>
<b>Family Parent</b>	TLV320AIC31	TLV320AIC34	TLV320AIC3120	TLV320AIC3101	TLV320AIC3104	TLV320AIC3105	TLV320AIC3106	TLV320AIC3107	TSC2117	TLV320AIC3120	TLV320AIC3204	TLV320AIC3256	TLV320AIC3254	TLV320AIC3256	TLV320AIC3262	TLV320AIC3263	TLV320AIC3268

	<u>PCM3002</u>	<u>PCM3008</u>	<u>PCM3060</u>	<u>PCM3070</u>	<u>PCM3168A</u>	<u>PCM3500</u>	<u>PCM5310</u>
<b>ADC</b>	Stereo	Stereo	Stereo	Stereo	Multi-Channel	Mono	Quad
<b>DAC</b>	Stereo	Stereo	Stereo	Stereo	Multi-Channel	Mono	Quad
<b>ADC Channels</b>	2	2	2	2	6	1	4
<b>DAC Channels</b>	2	2	2	2	8	1	4
<b>Analog Inputs</b>	1 input	1 input	1 input	3 inputs	6 inputs	1 input	6 inputs
<b>Analog Outputs</b>	1 output	1 output	2 outputs	2 outputs	8 outputs	1 output	3 outputs
<b>miniDSP</b>	No	No	No	Yes- 2	No	No	No
<b>ADC SNR</b>	90 dB	88dB	99dB	93dB	Differential: 107dB Single Ended: 104dB	89dB	95dB
<b>DAC SNR</b>	94 dB	92dB	105dB	100dB	112dB	92dB	100dB
<b>Control I/F</b>	SW	HW	I2C/SPI/HW	I2C/SPI	I2C/SPI	SW	I2C
<b>Audio I/F</b>	I2S/LJF/RJF	LJF/RJF	I2S/LJF/RJF	I2S/LJF/RJF/DSP/TDM	I2S/LJF/RJF/TDM/DSP	DSP/TDM	I2S/LJF/RJF
<b>ADC THD+N</b>	-86dB	-84dB	-93dB	-80dB	-93dB	-88dB	0.01%
<b>DAC THD+N</b>	-86dB	-88dB	-94dB	-85dB	-94dB	-90dB	0.01%
<b>Class D Amplifier</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>AVDD</b>	2.7V to 3.6V	2.1V to 3.6V	4.5V to 5.5V	1.9V to 3.6V	4.5V to 5.5V	2.7V to 3.6V	3V to 3.6V
<b>DV<sub>dd</sub></b>	2.7V to 3.6V	N/A	2.7V to 3.6V	1.5V to 1.95V	3V to 3.6V	2.7V to 3.6V	3V to 3.6V
<b>IOV<sub>dd</sub></b>	N/A	N/A	N/A	1.5V to 3.6V	N/A	N/A	N/A
<b>SPKVDD</b>	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Sample Rates</b>	4kHz to 48kHz	8kHz to 48kHz	16kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	7.2kHz to 26kHz	ADC: ≤96kHz DAC: ≤192kHz
<b>Package</b>	24-pin 8.2x7.8 SSOP	16-pin 5x4.4 TSSOP	28-pin 9.7x6.4 TSSOP	32-pin 5x5 QFN	64-pin 10x10 HTQFP	24-pin 8.2x7.8 SSOP	64-pin 10x10 HTQFP
<b>Applications</b>	DVC Applications, DSC Applications, Portable/Mobile Audio Applications	Digital Video Camera, Portable MD Player, Other Portable System	DVD-RW, Digital TV, Digital Set-Top Box, Audio-Visual Applications	Soundbar, Flat Panel Television, MP3 Docking stations, Cell Phone Docking Stations, Other Stereo or 2.1 Home Audio Systems	Car Audio External Amplifiers, Car Audio AVN Applications, Home Theaters, AV Receivers	Personal Digital Assistant, Notebook and Hand-held PCs, Set-Top Box, Digital Television, Embedded Systems, Portable Voice Recorder/Player, Speech Recognition/Synthesis, Teleconferencing products	Digital TV, DVD Recorder, IP-STB (Set Top Box)
<b>Driver Link</b>	None	<a href="#">PCM3008-DRIVERS</a>	<a href="#">PCM3060-DRIVERS</a>	<a href="#">TLV320AIC325X-DRIVERS</a>	<a href="#">PCM3168-DRIVERS</a>	None	None
<b>Family Parent</b>	PCM3002	PCM3008-A	PCM3060	TLV320AIC3254	PCM3168	PCM3500	PCM5310