

	<u>TLV320AIC31</u>	<u>TLV320AIC34</u>	<u>TLV320AIC3100</u>	<u>TLV320AIC3101</u>	<u>TLV320AIC3104</u>	<u>TLV320AIC3105</u>	<u>TLV320AIC3106</u>
<b>ADC</b>	Stereo	Multi-channel	Mono	Stereo	Stereo	Stereo	Stereo
<b>DAC</b>	Stereo	Multi-channel	Stereo	Stereo	Stereo	Stereo	Stereo
<b>ADC Channels</b>	4	4	1	2	2	2	2
<b>DAC Channels</b>	2	4	2	2	2	2	2
<b>Analog Inputs</b>	6 inputs	12 inputs	3 inputs	6 inputs	6 Inputs	6 inputs	10 inputs
<b>Analog Outputs</b>	6 outputs	14 outputs	3 outputs	6 outputs	6 outputs	6 inputs	7 outputs
<b>miniDSP</b>	No	No	No	No	No	No	No
<b>ADC SNR</b>	92dB	92dB	91dB	92dB	92dB	92dB	92dB
<b>DAC SNR</b>	100dB	102dB	95dB	102dB	102dB	102dB	102dB
<b>Control I/F</b>	I2C	I2C	I2C	I2C	I2C	I2C	I2C/SPI
<b>Audio I/F</b>	I2S/LJF/RJF/DSP/TDM	I2S/LJF/RJF/DSP	I2S/LJF/RJF/TDM/DSP	I2S/LJF/RJF/DSP/TDM	I2S/LJF/RJF/DSP/TDM	I2S/LJF/RJF/DSP/TDM	I2S/PSM
<b>Digital Microphone</b>	No	2	1	No	No	2	2
<b>Ground-Centered HP</b>	No	No	No	No	No	No	No
<b>Multiple I2S Option</b>	No	2	No	No	No	No	No
<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
<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
<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
<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
<b>SPKVDD</b>	N/A	N/A	2.7V to 5.5V	N/A	N/A	N/A	N/A
<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
<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
<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
<b>Driver Link</b>	<a href="#">TLV320AIC3XSW-LINUX</a>			<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>	<a href="#">TLV320AIC31XX-DRIVERS</a>
<b>Family Parent</b>	TLV320AIC31	TLV320AIC34	TLV320AIC3120	TLV320AIC3101	TLV320AIC3104	TLV320AIC3105	TLV320AIC3106

	<a href="#">TLV320AIC3107</a>	<a href="#">TLV320AIC3110</a>	<a href="#">TLV320AIC3111</a>	<a href="#">TLV320AIC3120</a>	<a href="#">TLV320AIC3204</a>	<a href="#">TLV320AIC3206</a>	<a href="#">TLV320AIC3212</a>
<b>ADC</b>	Stereo	Mono	Mono	Mono	Stereo	Stereo	Stereo
<b>DAC</b>	Stereo	Stereo	Stereo	Mono	Stereo	Stereo	Stereo
<b>ADC Channels</b>	2	1	1	1	2	2	2
<b>DAC Channels</b>	2	2	2	1	2	2	2
<b>Analog Inputs</b>	7 inputs	3 inputs	3 inputs	3 inputs	6 inputs	6 inputs	8 inputs
<b>Analog Outputs</b>	6 outputs	4 outputs	4 outputs	2 outputs	4 outputs	4 outputs	7 outputs
<b>miniDSP</b>	No	No	Yes	Yes	No	No	No
<b>ADC SNR</b>	92dB	91dB	91dB	90dB	93dB	93dB	93dB
<b>DAC SNR</b>	97dB	95dB	95dB	95dB	100dB	100dB	101dB
<b>Control I/F</b>	I2C	I2C	I2C	I2C	I2C/SPI	I2C/SPI	I2C/SPI
<b>Audio I/F</b>	I2S/LJF/RFJ/DSP/TDM	I2S/LJF/RFJ/DSP/TDM	I2S/LJF/RFJ/DSP/TDM	I2S/LJF/RFJ/DSP/TDM	I2S/LJF/RJF/DSP/TDM	I2S/LJF/RJF/TDM/DSP	I2S/TDM/DSP/LJF/RJF/PCM
<b>Digital Microphone</b>	No	1	1	1	2	2	2
<b>Ground-Centered HP</b>	No	No	No	No	No	Yes	Yes
<b>Multiple I2S Option</b>	No	No	No	No	2	2	3
<b>Class D Amplifier</b>	Mono 1W Class D BTL 8 ohm Speaker Driver	Stereo 1.29W 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	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)
<b>AVDD</b>	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	AVDDx_18: 1.5V to 1.95V AVDDx_33: 1.65V to 3.6V
<b>DV<sub>dd</sub></b>	1.525V to 1.95V	1.65V to 1.95V	1.65V to 1.95V	1.65V to 1.95V	1.26V to 1.95V	1.26V 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	1.1V to 3.6V	1.1V to 3.6V	1.1V to 3.6V
<b>SPKVDD</b>	2.7V to 5.5V	2.7V to 5.5V	2.7V to 5.5V	2.7V to 5.5V	N/A	N/A	2.7V to 5.5V
<b>Sample Rates</b>	8kHz to 96kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz
<b>Package</b>	42-pin 3.25x3.75 DSBGA; 40-pin 5x5 WQFN	32-pin 5x5 QFN	32-pin 5x5 QFN	32-pin 5x5 VQFN	32-Pin 5x5 VQFN	42-pin 3.25x3.75 DSBGA; 40-pin 5x5 WQFN	81-pin 4.81x4.81x0.625 DSBGA
<b>Applications</b>	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, 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	Mobile Handsets, Tablets and eBooks, Portable Navigation Devices, Portable Media Player, Portable Gaming Systems, Portable Computing
<b>Driver Link</b>	<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="#">TLV320AIC326X-DRIVERS</a>
<b>Family Parent</b>	TLV320AIC3107	TSC2117	TSC2117	TLV320AIC3120	TLV320AIC3204	TLV320AIC3256	TLV320AIC3212

	<u><a href="#">TLV320AIC3254</a></u>	<u><a href="#">TLV320AIC3256</a></u>	<u><a href="#">TLV320AIC3262</a></u>	<u><a href="#">TLV320AIC3263</a></u>	<u><a href="#">TLV320AIC3268</a></u>
<b>ADC</b>	Stereo	Stereo	Stereo	Stereo	Stereo
<b>DAC</b>	Stereo	Stereo	Stereo	Stereo	Stereo
<b>ADC Channels</b>	2	2	2	2	2
<b>DAC Channels</b>	2	2	2	2	2
<b>Analog Inputs</b>	6 inputs	6 inputs	8 inputs	8 inputs	8 inputs
<b>Analog Outputs</b>	4 outputs	4 outputs	7 outputs	6 outputs	6 outputs
<b>miniDSP</b>	Yes	Yes	Yes	Yes	Yes
<b>ADC SNR</b>	93dB	93dB	93dB	93dB	95dB
<b>DAC SNR</b>	100dB	100dB	101dB	101dB	105dB
<b>Control I/F</b>	I2C/SPI	I2C/SPI	I2C/SPI	I2C/SPI	I2C/SPI
<b>Audio I/F</b>	I2S/LJF/RJF/DSP/TDM	I2S/LJF/RJF/DSP/TDM	I2S/TDM/DSP/LJF/RJF/PCM	I2S/TDM/DSP/LJF/RJF/PCM	I2S/TDM/DSP/LJF/RJF/PCM
<b>Digital Microphone</b>	2	2	2	4	4
<b>Ground-Centered HP</b>	No	Yes	Yes	Yes	Yes
<b>Multiple I2S Option</b>	2	2	3	3	3
<b>Class D Amplifier</b>	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>	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>	1.26V 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	1.1V to 3.6V
<b>SPKVDD</b>	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 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz	8kHz to 192kHz
<b>Package</b>	32-pin 5x5 VQFN	42-pin 3.25x3.75 DSBGA; 40-pin 5x5 WQFN	81-pin 4.81x4.81x0.625 DSBGA	81-pin 4.81x 4.81x 0.625 DSBGA	64-pin 9x9 VQFN
<b>Applications</b>	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="#">TLV320AIC325X-DRIVERS</a>	<a href="#">TLV320AIC325X-DRIVERS</a>	<a href="#">TLV320AIC326X-DRIVERS</a>	<a href="#">TLV320AIC326X-DRIVERS</a>	<a href="#">TLV320AIC326X-DRIVERS</a>
<b>Family Parent</b>	TLV320AIC3254	TLV320AIC3256	TLV320AIC3262	TLV320AIC3263	TLV320AIC3268