

# High Definition Audio Codec Selection Guide

	ALC889	ALC885	ALC888 (ver.C2)	ALC888S (ver.C2)	ALC888 Telecom	ALC663	ALC662	ALC268 (ver.B1)	ALC262 (ver.D2)	ALC267	ALC272	ALC269
<b>Hardware Specifications</b>												
Number of DACs	10	10	10	10	10	6	6	4	4	4	4	4
Number of ADCs	6	6	4	4	4	4	4	4	6	4	4	4
DAC SNR (dB)	108	106	95	95	95	92	92	95	101	95	92	95
Number of IO Ports	8	8	8	8	8	8	7	5	6	5	7	6
Playback Multiple Streaming	7.1ch+2ch	7.1ch+2ch	7.1ch+2ch	7.1ch+2ch	7.1ch+2ch	-	-	2ch+2ch	2ch+2ch	2ch+2ch	2ch+2ch	2ch+2ch
S/PDIF Function	In/Out	In/Out	In/Out	In/Out	In/Out	Out	Out	Out	In/Out	Out	Out	Out
DAC Sample Rate (kHz)	44.1/48/88.2 /96/176.4/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96/192
ADC Sample Rate (kHz)	44.1/48/88.2 /96/176.4/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96/192	44.1/48 /96	44.1/48 /96/192	44.1/48 /96	44.1/48 /96	44.1/48 /96/192	44.1/48 /96	44.1/48 /96/192	44.1/48 /96
GPIO	•	•	•	•	•	•	•	•	•	•	•	•
Jack Retasking	•	•	•	•	•	•	•	•	•	•	•	•
Digital Microphone Support	•	•	•	•	•	•	-	•	•	•	•	•
Content Protection for DVD-A/BD/HD	•	•	-	-	-	-	-	-	-	-	-	-
VoIP Solution with Traditional Phone	-	-	-	-	•	-	-	-	-	-	-	-
System-side of modem DAA integrated	-	-	-	-	-	-	-	-	-	•	-	-
2W Class-D Amplifier Built-in	-	-	-	-	-	-	-	-	-	-	-	•
Cap-saving for HP Amplifier	-	-	-	-	-	•	-	-	-	-	•	•
2 S/PDIF Output Converters	•	-	-	•	-	•	-	-	•	-	•	•
Low-Power Intel ECR Compliant	•	-	-	•	-	•	-	-	•	-	•	•
DSD Format Support	•	-	-	-	-	-	-	-	-	-	-	-
Package Type		LQFP-48			LQFP-64			LQFP-48			QFN-48	
<b>Software Specifications</b>												
Operating System Support	Windows XP(x32/x64), Windows Vista(x32/x64) and Linux											
Windows Vista Compliance	Premium											
Chipset Support	All HD Audio Controllers											
WHQL Certificate	Yes											
3D Sound Support	Yes											
SW Equalizer	Yes											
Mic Boost	•	•	•	•	•	•	•	•	•	•	•	•
Realtek Mixer Control	•	•	•	•	•	•	•	•	•	•	•	•
Acoustic Echo Cancellation (AEC)	•	•	•	•	•	•	•	•	•	•	•	•
Beam Forming (BF)	•	•	•	•	•	•	•	•	•	•	•	•
Noise Suppression (NS)	•	•	•	•	•	•	•	•	•	•	•	•
Multi-Language Support	Arabic / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew Hungarian / Italian / Japanese / Korean / Norwegian / Polish / Portuguese (Brazil) / Portuguese (Standard) Russian / Simplified Chinese / Spanish / Swedish / Thai / Traditional Chinese / Turkish											
Audio Brand Logo Program *	Dolby PCEE Program (Master Studio / Home Theater / Sound Room) DTS CONNECT™ Program BBE HD192™ SRS TruSurroundXT™ Program Waves MaxxAudio™											