

DSP	DSP-AEC-0606	DSP-AEC-1010-DA	DSP-AEC-1410
Type:	ADI SHARC 21489	ADI SHARC 21489	ADI SHARC 21489
DSP Handling Capacity:	400 MIPS, 1,6 GFLOPS	400 MIPS, 1,6 GFLOPS	400 MIPS, 1,6 GFLOPS
System Latency:	<3ms		
Sample Rate:	48 kHz		
Bit Depth:	24 Bit		
<b>Interface</b>			
Ethernet (RJ45)	2	2	1
RS232/485	✓	✓	✓
USB Host Port Type B	✓	✓	✓
Open API	✓	✓	✓
<b>Channels</b>			
Analog I/O:	4x4	4x4	12x8
Dante I/O:	-	4x4	-
USB:	2x2	2x2	2x2
<b>Inputs</b>			
Phantom Power:	48V (Max 10mA)		
Analog Input Gain:	0 - 48 dB in 6 dB steps		0 - 48 dB in 3 dB steps
Frequency Response:	±0.5dB (20Hz~20KHz)		±0.2dB (20Hz~20KHz)
Maximum Level:	+18dBu		
THD + Noise:	0.003%@4dBu		
Input Dynamic Range:	110dB		
Background Noise (A-weighted):	-91dBb		
Common Mode Rejection Ratio @60Hz:	80dB		
Channel Isolation @1KHz:	108 dB		
Input Impedance (Balanced):	5.6kΩ		9.4kΩ
<b>Outputs</b>			
Output Impedance (Balanced):	102Ω		
Output Dynamic Range:	112dB		
<b>Processing</b>			
Expander	✓	✓	✓
Compressor	✓	✓	✓
Parametric EQ	8 band	8 band	5, 8 & 12 band
High and Low Pass Filter	✓	✓	✓
Delay	✓	✓	✓
Limiter	✓	✓	✓
Automatic Gain Control (AGC)	✓	✓	✓
Adaptive Feedback Suppression(AFS)	8 band	8 band	8, 12 & 16 band
Acoustic Echo Cancellation (AEC)	2	2	1
Automatic Noise Suppression (ANS)	✓	✓	✓
Matrix	✓	✓	✓
Gain-Sharing Automixer	✓	✓	✓
Gating Automixer	-	-	✓
Graphic EQ	-	-	10, 15 & 31 band
Ambient Noise Compensation (ANC)	-	-	✓
Gate	-	-	✓
Ducker	-	-	✓
Camera Tracking	-	-	✓
<b>Software</b>			
DSP V1.0	-	✓	-
DSP V2.0	✓	✓	✓
Device Snapshot Export/Import (DSP V2.0)	✓	✓	✓
Light/Dark Theme (DSP V2.0)	✓	✓	✓
USB Processing (DSP V2.0)	✓	✓	✓
Control Panel Designer	✓	✓	✓
IOS/Android App Interface Designer	✓	✓	✓
Mudular GUI (DSP V2.0)	-	-	✓
Redundancy Mode	-	-	✓
Admin/User Accounts	-	-	✓
<b>Power</b>			
Power	PoE 802.3af or 12VDC		AC110~240V 50Hz-60Hz
Max Power Consumption	10 W		40 W
<b>Enclosure</b>			
Chassis Dimensions	215mm x 192mm x 44mm		482mm x 264mm x 44mm
Mounting Brackets Included	✓	✓	-
19" Rack Brackets Included	✓	✓	✓