## -AMPLIFIER SPEC SHEET-



	MODEL				WAITS PER CHANNEL	
		<b>CS 168</b>		8 CHANNELS	160 WATTS	
	AUDIO SPEC	Output Power	8 x 160 WRMS Per Channel @ 4 $\Omega$ , 8 $\Omega$ , 25V, 70V, 100V (40W at 2 $\Omega$ )			
		Inputs		4 Analog: Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity		
		THD+N	0.1% (20Hz to 20kHz)			
		Frequency Response		+/- 0.5 dB @ 4Ω, 8Ω, 70V, 100V, -2.5dB @ 20kHz at 2Ω		
		Signal to Noise Level		105dB (20Hz to 20kHz referenced to $8\Omega$ )		
		Crosstalk		70dB (20Hz to 20kHz)		
		I/O Latency		1 ms DSP latency under any condition		
		Load Impedance		LowZ down to 2 ohms, 70V direct, and 100V Direct per channel		
		Output Classification	Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality without sacrificing an amplifier channel			
		DC Offset		+/- 3mV		
	DSP	DSP Architecture	An	Analog Devices Sigma 96kHz DSP Processor with 32-bit Core with Sample Rate Converters		
		Input Matrix	Routable matrix; any input to any output with primary and secondary input priority			
		Crossovers		Up to 48 dB/Octave IIR Filters (Linkwitz Riley and Butterworth) and Bessel		
		Parametric EQ	8 Band Parametric EQ per channel			
		Output Delay		100ms per channel		
		Output Protection	DC, VHF, and AC Mains Protection, Over-temp and Current Limiter, fan fault detection			
		Limiting	Peak Voltage and RMS Voltage			
		Load Monitoring		Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources		
	CONTROL, MONITORING, NETWORK	Network Connectivity	Wi-Fi	or 100MB Ethernet with PoE or Built in Wi-Fi WEF	Access Point (IEEE 802.11 b/g/n WPA, WPA2, P)	
		User Interface	Web Browser User Interface or 3rd Party API control Q-Sys, Atlona, Extron, Utelogy, Crestron, RTI Barco			•
		Operating Systems		MAC, iOS, PO	C, Android	_
		Event Reporting	User	Downloadable and Viewable Event and Fault	log - POE allows for enhanced error monitoring	
		External I/O		External I/O In: Toggles Remote On/Off   E:	xternal I/O Out: Indicates Amplifier Health	_
	OPS DATA	Cloud IoT		AWS Cloud based	IoT functionality	
				100VAC - 240VAC +/-		
		Temperature		Storage: -20 C to 90 C - 0		_
		Power Supply			KETL NOM DOLLE DEE	_
	PHYSICAL SPEC	Dimensions (L x W x		UL, USA, UE, ETL, FUU, UUU Droduct: 14.25" x 10" x 111 (262mm x 482n	, KETI, NOM , ROHS, PSE	_
		H)		Shipping: 20" x 22.75" x 3.75" (5	101 x 10 (3271111 x 48271111 x 10) 08mm x 578mm x 95.25mm)	_
		weight		13.10lbs / 6.08kg   Shi	oping: 18.718778.58g	
		Cooling	Front to	o Rear Variable Fan Speed Cooling   Fan Noise at Fan Noise at full spe	idle is 50dB @ 1m   Fan Noise at 50% is 57dB @1m ed is 63dB @1m	_
		Connectors	Anal Pov	log Input: 3 pin Amphenol Anytek, Output: 2 pin Am wer in: IEC, Ethernet RJ45 In for Control. ***Note: 1	phenol Anytek, External IO: 3 pin Amphenol Anytek, 68 does not have potentiometers on the real panel.	

LEA Professional reserves the right to make any necessary changes to the specification. The LEA Professional Warranty is 6 years from date of purchase and product registration in the United States.



