

# CONNECT SERIES

## - AMPLIFIER SPEC SHEET -



	MODEL	CHANNEL COUNT	WATTS PER CHANNEL
	<b>CS 704D</b>	<b>4 CHANNELS</b>	<b>700 WATTS</b>
AUDIO SPEC	<b>Output Power</b>	4 x 700 WRMS Per Channel @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)   330 Watts @ 25V	
	<b>Inputs</b>	4 Analog: Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity Dante: 8 x 8 Dante at 96kHz or 48kHz, Multicast or Unicast AES 67: Configurable via the Dante Controller Software	
	<b>THD+N</b>	0.1% (20Hz to 20kHz)	
	<b>Frequency Response</b>	+/- 0.5 dB @ 4Ω, 8Ω, 70V, 100V, -2.5dB @ 20kHz at 2Ω	
	<b>Signal to Noise Level</b>	105dB (20Hz to 20kHz referenced to 8Ω)	
	<b>Crosstalk</b>	70dB (20Hz to 20kHz)	
	<b>I/O Latency</b>	1 ms DSP latency under any condition	
	<b>Load Impedance</b>	LowZ down to 2 ohms, 70V direct, and 100V Direct per channel	
	<b>Output Classification</b>	Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality without sacrificing an amplifier channel	
DSP	<b>DC Offset</b>	+/- 3mV	
	<b>DSP Architecture</b>	Analog Devices Sigma 96kHz DSP Processor with 32-bit Core with Sample Rate Converters	
	<b>Input Matrix</b>	Routable matrix; any input to any output with primary and secondary input priority	
	<b>Crossovers</b>	Up to 48 dB/Octave IIR Filters (Linkwitz Riley and Butterworth) and Bessel	
	<b>Parametric EQ</b>	8 Band Parametric EQ per channel	
	<b>Output Delay</b>	100ms per channel	
	<b>Output Protection</b>	DC, VHF, and AC Mains Protection, Over-temp and Current Limiter, fan fault detection	
	<b>Limiting</b>	Peak Voltage and RMS Voltage	
	<b>Load Monitoring</b>	Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources	
CONTROL, MONITORING, NETWORK	<b>Network Connectivity</b>	Wi-Fi or 100MB Ethernet with PoE or Built in Wi-Fi Access Point (IEEE 802.11 b/g/n WPA, WPA2, WEP)	
	<b>User Interface</b>	Web Browser User Interface or 3rd Party API control Q-Sys	
	<b>Operating Systems</b>	MAC, iOS, PC, Android	
	<b>Event Reporting</b>	User Downloadable and Viewable Event and Fault log - POE allows for enhanced error monitoring	
	<b>External I/O</b>	External I/O In: Toggles Remote On/Off   External I/O Out: Indicates Amplifier Health	
OPS DATA	<b>Cloud IoT</b>	AWS Cloud based IoT functionality	
	<b>AC Mains</b>	100VAC - 240VAC +/- 15% 50Hz or 60Hz	
	<b>Temperature</b>	Storage: -20°C to 90° C - Operating: 0°C to 60° C	
	<b>Power Supply</b>	Universal Switch Mode Power Supply	
PHYSICAL SPEC	<b>EN54-16 Output Power</b>	609 Watts @ 9.6Ω (40° C ambient temp for 1 minute) Smart Power Bridge: 942 Watts @ 9.6Ω (40° C ambient temp for 1 minute)	
	<b>Safety Approvals</b>	UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE, EN54-16	
	<b>Dimensions (L x W x H)</b>	Product: 14.25" x 19" x 1U (362mm x 482mm x 1U) x 1U (362mm x 482mm x 1U) Shipping: 20" x 22.75" x 3.75" (508mm x 578mm x 95.25mm)	
	<b>Weight</b>	14lbs / 4kg   Shipping: 18.7lbs / 8.5kg	
	<b>Cooling</b>	Front to Rear Variable Fan Speed Cooling   Fan Noise at idle is 50dB @ 1m   Fan Noise at 50% is 57dB @ 1m Fan Noise at full speed is 63dB @ 1m	
	<b>Connectors</b>	Analog Input: 3 pin Amphenol Anytek, Output: 2 pin Amphenol Anytek, External IO: 3 pin Amphenol Anytek, Power in: IEC, Ethernet RJ45 In for Control, Primary and Secondary RJ45 in for Dante	

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.



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