CONNECT**SERIES**
-AMPLIFIER SPEC SHEET-

MODEL	CHANNEL COUNT	WATTS PER CHANNEL
CS702-ADSP	**2 CHANNELS**	**700 WATTS**

AUDIO SPEC	Output Power	2 x 700 WRMS Per Channel @ 4Ω, 8Ω, 70V, 100V | 350 Watts @ 2Ω
	Input	2 Analog: Balanced Inputs with user-selectable 26 dB and 34 dB input sensitivity
	THD+N	0.1% (20Hz to 20kHz)
	Frequency Response	+/- 0.5dB @ 4Ω, 8Ω, 70V, 100V | -2.5dB @ 20kHz @ 2Ω
	Signal to Noise Level	105dB (20Hz to 20kHz referenced to 8Ω)
	Crosstalk	70dB (20Hz to 20kHz)
	I/O Latency	3.2ms DSP latency with no FIR Coefficients loaded
	Load Impedance	LowZ down to 2Ω, 70V Direct, and 100V Direct per channel
	Output Classification	Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality on 1 channel without sacrificing an amplifier channel
	DC Offset	+/- 3mV
DSP	DSP Architecture	Analog Devices Sharc 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 48dB/Octave IIR Filters (Linkwitz Riley and Butterworth and Bessel). FIR filters (24db/oct & 48db/oct Linkwitz Riley, Linear Phase Brickwell, and ability to load FIR Coefficients – 2048 taps per channel @96 KHZ)
	Parametric EQ	8 Band Parametric EQ per channel
	Output Delay	4 Seconds 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 Access Point (IEEE 802.11 b/g/n WPA, WPA2, WEP)
	User Interface	Web Browser User Interface, 3rd Party API Control, LEA Cloud or SharkWare
	Operating Systems	WebUI - (MAC, IOS, PC, Android, Linux), SharkWare – MAC & PC
	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 | External I/O Out: Indicates Amplifier Health
	Cloud IoT	AWS Cloud based IoT functionality via LEA Professional Cloud
OPS DATA	AC Mains	100VAC - 240VAC +/- 15% 50Hz or 60Hz
	Temperature	Storage: -20°C to 90°C - Operating: 0°C to 60°C
	Power Supply	Universal Switch Mode Power Supply
	EN54-16 Output Power	304 Watts @ 9.6Ω (40°C ambient temp for 1 minute) Smart Power Bridge: 469 Watts @ 9.6Ω (40°C ambient temp for 1 minute)
	Safety Approvals	UL, CSA, CE, ETL, FCC, CCC, KETI, NOM , ROHS, PSE, EN54-16
PHYSICAL SPEC	Dimensions (L x W x H)	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)
	Weight	10lbs / 3.4kg | Shipping: 18.7lbs / 8.5kg
	Cooling	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
	Connectors	Analog Input: 3 pin Amphenol Anytek, Output: 2 pin Amphenol Anytek, External IO: 8 pin Amphenol Anytek, Ethernet RJ45 In for Control, Primary and Secondary RJ45 in for Dante

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