



# LEA

## Network Connect

- amplifier datasheet -

Output Power (20Hz to 20kHz)	<b>Connect 88</b>	8 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω)
	<b>Connect 168</b>	8 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω)
	<b>Connect 84</b>	4 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω)
	<b>Connect 164</b>	4 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω)
	<b>Connect 354</b>	4 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)
	<b>Connect 704</b>	4 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)
	<b>Connect 352</b>	2 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)
	<b>Connect 702</b>	2 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)
Audio Spec	<b>Inputs</b>	Balanced analog Inputs with user selectable 26 dB and 34 dB input sensitivity
	<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>Amplifier 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)
	<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, Overtemp and Current Limiter, fan fault detection
	<b>User Adjustable Limiting</b>	Peak Voltage and RMS Voltage
Control, Monitoring, Network	<b>Load Monitoring</b>	Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources
	<b>Network Connectivity</b>	WiFi or 100MB Ethernet with PoE or Built in WiFi Access Point (IEEE 802.11 b/g/n WPA, WAP2, WEP) Operating Frequency: 2412 – 2472MHz ; Channel Spacing:5Mhz ; Modulation: DSSS, OFDM
	<b>User Interface</b>	Web Browser User Interface or 3rd Party API control
	<b>Supported 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
	<b>Cloud IoT</b>	Cloud-based IoT functionality
	Operation	<b>AC Mains</b>
<b>Temperature</b>		Storage: -20°C to 90° C - Operating: 0°C to 60° C
<b>Power Supply</b>		Universal Switch Mode Power Supply with Power Factor Correction (No PFC in 84, 164, 88, & 168)
<b>Safety Approvals</b>		UL, CSA, CE, ETL, FCC, CCC, KETI, NOM , ROHS, PSE, EN54-16
Physical Spec	<b>Dimensions (L x W x H)</b>	Product: 14.25" x 19" x 1U (362mm x 482mm x 1U) Shipping: 20" x 22.75" x 3.75" (508mm x 578mm x 95.25mm)
	<b>Weight</b>	352 & 702: 10lbs / 3.4kg   Shipping: 17.4lbs / 7.9kg 354 & 704: 14lbs / 4kg   Shipping: 18.7lbs / 8.5kg 84 & 164: 12.10lbs / 5.49kg   Shipping: 16.40lbs / 7.44kg 88 & 168: 13.40lbs / 6.08kg   Shipping: 17.80lbs / 8.07kg
	<b>Cooling</b>	Front to Rear Variable Fan Speed Cooling Fan Noise at idel 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 ***Note: 84, 164, 88, & 168 do not have potentiometers on the rear 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.