



LEA

Network Connect

- amplifier datasheet -

Output Power (20Hz to 20kHz)	Connect 88	8 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω)
	Connect 168	8 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω)
	Connect 84	4 x 80 WRMS @ 4Ω, 8Ω, 70V, 100V (40W at 2Ω)
	Connect 164	4 x 160 WRMS @ 4Ω, 8Ω, 70V, 100V (80W at 2Ω)
	Connect 354	4 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)
	Connect 704	4 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)
	Connect 352	2 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)
	Connect 702	2 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)
Audio Spec	Inputs	4 balanced analog 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 8Ω)
	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
	Amplifier Output Classification	Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality without sacrificing an amplifier channel
DSP	DC Offset	+/- 3mV
	DSP Architecture	Analog Devices Sigma 96kHz DSP Processor with 32-bit Core with Sample Rate Converters
	Input Matrix	4 x 4 routable matrix; any input to any output with primary and secondary input priority
	Crossovers	Up to 48 dB/Octave IIR Filters (Linkwitz Riley, Butterworth, and Bessel)
	Parametric EQ	8 Band Parametric EQ per channel
	Output Delay	100ms per channel
	Output Protection	DC, VHF, and AC Mains Protection, Overtemp and Current Limiter, fan fault detection
	User Adjustable Limiting	Peak Voltage and RMS Voltage
Control, Monitoring, Network	Load Monitoring	Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources
	Network Connectivity	WiFi or 100MB Ethernet with PoE or Built in WiFi Access Point (IEEE 802.11 b/g/n WPA, WAP2, WEP)
	User Interface	Web Browser User Interface or 3rd Party API control (Q-Sys, Symetrix coming soon)
	Supported Operating Systems	MAC, iOS, PC, 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 External I/O Out: Indicates Amplifier Health
Operation	Cloud IoT	Cloud based IoT functionality coming Dec 2019
	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 with Power Factor Correction (No PFC in 84D, 164D, 88D, & 168D)
Physical Spec	Safety Approvals	UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE
	Dimensions (L x W x H)	14.25" x 19" x 1U 362mm x 482mm x 1U
	Weight	Product 15.5 lbs / 7kg Shipping Weight 20 lbs / 9.1 kg
	Cooling	Front to Rear Variable Fan Speed Cooling - Fan Noise is 50dB @ 1m
	Connectors	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 ***Note: 84D, 164D, 88D, & 168D 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.