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**	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
	DC Offset	+/- 3mV
DSP	**DSP Architecture**	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)
	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
	Load Monitoring	Realtime Load Monitoring and Pilot Tone Detection from Internal or External Sources
Control, Monitoring, Network	**Network Connectivity**	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
	User Interface	Web Browser User Interface or 3rd Party API control (Q-Sys 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
	Cloud IoT	Cloud-based IoT functionality
Operation	**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 84, 164, 88, & 168)
	Safety Approvals	UL, CSA,CE, ETL, FCC, CCC, KETI, NOM , ROHS, PSE
Physical Spec	**Dimensions (L x W x H)**	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)
	Weight	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
	Cooling	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
	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 ***Note: 84, 164, 88, & 168 do not have potentiometers on the rear panel

LEA PROFESSIONAL