Output Power: 4 x 80 WRMS Per Channel @ 4Ω, 8Ω, 25V, 70V, 100V (40W at 2Ω) | 80 Watts Per Channel x 4

Inputs: 4 Analog: Balanced 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

Output Classification: Class D with Proprietary Smart Power Bridge Technology allowing bridged output functionality without sacrificing an amplifier channel

DC Offset: +/- 3mV

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) and Bessel

Parametric EQ: 8 Band Parametric EQ per channel

Output Delay: 100ms 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

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 or 3rd Party API control Q-Sys, Atlona, Extron, Uteology, Crestron, RTI, Barco

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

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

Safety Approvals: UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE

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: 12.10lbs / 5.49kg | 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: 3 pin Amphenol Anytek, Power in: IEC, Ethernet RJ45 In for Control. ***Note: 84 does not have potentiometers on the real 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.