**Audio Spec**

**Output Power**
8 x 160 WRMS Per Channel @ 4Ω, 8Ω, 25V, 70V, 100V (40W at 2Ω)

**Inputs**
4 Analog: Balanced Inputs with user selectable 26 dB and 34 dB input sensitivity
Dante: 8 x 8 Dante at 96kHz or 48kHz, Multicast or Unicast
AES 67: Configurable via the Dante Controller Software

**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**
Routine matrix; any input to any output 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**
Real-time 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**
AWS 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 96.25mm)

**Weight**
13.40lbs / 6.08kg | Shipping: 17.8lbs / 8.07kg

**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, Primary and Secondary RJ45 in for Dante

**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.**