



LEA

Network Connect

- amplifier datasheet -

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|---------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| DSP | 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) |
| | 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) Operating Frequency: 2412 – 2472MHz ; Channel Spacing:5Mhz ; Modulation: DSSS, OFDM |
| | User Interface | Web Browser User Interface or 3rd Party API control |
| | 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 |
| | 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) |
| Physical Spec | Safety Approvals | UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE, EN54-16 |
| | 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 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.