



LEA

Network Connect

- amplifier datasheet -

	Connect 354-ADSP	4 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)
	Connect 704-ADSP	4 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)
	Connect 352-ADSP	2 x 350 WRMS @ 4Ω, 8Ω, 70V, 100V (175W at 2Ω)
	Connect 702-ADSP	2 x 700 WRMS @ 4Ω, 8Ω, 70V, 100V (350W at 2Ω)
	Connect 1504-ADSP	2 x 1500 WRMS @ 2Ω, 4Ω, 8Ω, 70V, 100V (750W at 25V)
Audio Spec	Inputs	Analog: Balanced Inputs with user-selectable 26dB and 34dB input sensitivity
	THD+N	0.1% (20Hz to 20kHz)
	Frequency Response	+/- 0.5dB @ 4Ω, 8Ω, 70V, 100V -2.5dB @ 20kHz @ 2Ω
	Signal to Noise Level	105dB (20Hz to 20kHz referenced to 8Ω)
	Crosstalk	70dB (20Hz to 20kHz)
	I/O Latency	3.2ms DSP with no FIR Coefficients loaded
	Load Impedance	LowZ down to 2Ω, 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. 2 channels with 1504 models.
	DC Offset	+/- 3mV
DSP	DSP Architecture	Analog Devices Sharc 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 48dB/Octave IIR Filters (Linkwitz Riley and Butterworth and Bessel). FIR filters (24db/oct & 48db/oct Linkwitz Riley, Linear Phase Brickwell, and ability to load FIR Coefficients – 2048 taps per channel @96 KHZ)
	Parametric EQ	8 Band Parametric EQ per channel
	Output Delay	4 seconds 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	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, 3rd Party API control, Cloud control, or SharkWare
	Supported Operating Systems	WebUI – (MAC, iOS, PC, Android, Linux), SharkWare – MAC & PC
	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	AWS Cloud-based IoT functionality via LEA Professional Cloud
	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
Physical Spec	Safety Approvals	UL, CSA, CE, ETL, FCC, CCC, KETI, NOM, ROHS, PSE, EN 54-16
	Dimensions (L x W x H)	350/700: 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) 1504: 17.25" x 19" x 2U (438mm x 482mm x 2U) Shipping: 22" x 22.75" x 8" (578mm x 203mm x 559mm)
	Weight	352 & 702: 10lbs / 3.4kg Shipping: 17.4lbs / 7.9kg 354 & 704: 10lbs / 3.4kg Shipping: 17.4lbs / 7.9kg 1504: 28lbs / 12.7kg Shipping: 30lbs / 13.6kg
	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 1504: powercord (32A Neutrik Powercon to L6-30p)

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.