

SPECIFICATIONS	MEASURE	COMMENTS
AUDIO CHANNELS	8 inputs/8 outputs	Line or Mic level inputs
LED METERING	8 input / 8 output peak-reading Dual color LEDs	LED STATUS: Red = -0.5 dBFS and higher (Clip) Red & Green = -4 to -0.5 dBFS Green = -4 to -40 dBFS Off = below -40 dBFS
<b>INPUT</b>		
ANALOG TRIM RANGE	-6 to +6 dB	Software controlled
LINE SENSITIVITY SETTINGS	+30 dBu, +24 dBu, +18 dBu, +12 dBu	Software selectable The sensitivity setting determines the maximum input signal that results in a full-scale digital input (0 dBFS).
MIC GAIN RANGE	+15 to +50 dB	1/2 dB steps
INPUT IMPEDANCE	6.6 k $\Omega$	Electronically balanced
PHANTOM POWER	+24 Volts	
CMRR	55 dB	
CROSSTALK	>90 dB	@ 1 kHz
DYNAMIC RANGE	104 dB	A-weighted, 150 Ohm input termination
<b>OUTPUT</b>		
OUTPUT FULL SCALE SETTINGS	+24 dBu, +18 dBu, +12 dBu, 6 dBu	Software selectable The sensitivity setting determines the maximum output signal that results from a full-scale digital signal (0 dBFS).
OUTPUT IMPEDANCE	102 $\Omega$	Electronically balanced
MINIMUM LOAD IMPEDANCE	600 $\Omega$	Maximum output @ 600 $\Omega$ = 22.5 dBu
DYNAMIC RANGE	109 dB	A-weighted
<b>ANALOG INPUT-TO-OUTPUT</b>		
TOTAL HARMONIC DISTORTION (+ NOISE)	0.01 %	20 Hz to 20 kHz, 22 kHz BW filter +4 dBu signal with 20 dB headroom
FREQUENCY RESPONSE	20 Hz to 20 kHz	$\pm$ 0.5 dB referenced at 1 kHz
DYNAMIC RANGE	103 dB	A-weighted, 150 Ohm input termination
LATENCY	1.4 mS	Propagation delay from input to output
<b>DIGITAL</b>		
SAMPLE RATE	44.1 kHz, 48 kHz, 96 kHz	
QUANTIZATION	24-bit	256 x-over-sampled Delta-sigma Analog-to-Digital and Digital-to-Analog
DIGITAL PROCESSING	132 Mips 48-bit accumulators	Uses two ADI SHARC processors
MASTER CPU CLOCK SPEED	6 MHz	
DSP CYCLE SPEED	66 MHz	
<b>CONTROL</b>		
RS-485	half-duplex 57.6 kbaud	1 port with 2 multi-drop RJ-45 connections
RS-232	56.7 kbaud	Standard dB-9 serial cable connector (female)
CV Inputs	0 to 10 V	Operates with either an external voltage applied or using a remote passive potentiometer connection
<b>GENERAL</b>		
DIMENSIONS	19" (48.26 cm) W x 12.25" (31.12 cm) D x 3.5" (8.89 cm) H	without connectors
NET WEIGHT	11.6 lbs. (5.26 kg)	
AC POWER INPUT VOLTAGE	100 VAC to 240 VAC	47 Hz to 63 Hz Universal Power Supply
POWER CONSUMPTION	20.7 Watts @100 V 20.5 Watts @120 V 22.7 Watts @240 V	330 mA 321 mA 206 mA
POWER DISSIPATION	70.7 BTU (17.7 kcal) 70.0 BTU (17.6 kcal) 77.5 BTU (19.5 kcal)	@100 V @120 V @240 V
AGENCY COMPLIANCE LISTINGS	UL, CUL, CE, FCC part 15 Class B	Pending

**Notes:**

1. All specifications are typical for any channel(s).
2. All measurements are made in the digital domain.
3. All specifications are for an AC line input of 120 Volts RMS.
4. All input measurements are made using a 40  $\Omega$  balanced source impedance at +24 dBu full scale unless otherwise noted.
5. All measurements are made with gain/attenuation set for unity unless otherwise noted.