

Extron

Specifications

XPA U 1004 SB

Audio

Voltage gain	
Stereo mode (8 ohm)	23x (27 dB)
Stereo mode (4 ohm)	16x (24 dB)
Bridged mono mode (16 ohm)	46x (33 dB)
Bridged mono mode (8 ohm) ..	33x (30 dB)
Bridged mono mode (70V)	57x (35 dB)
Bridged mono mode (100V) ...	81x (38 dB)
CMRR	75 dB @ 1 kHz (typical)

Audio Input

Number/signal type	4 balanced/unbalanced
Connectors.....	(2) 5-pin 3.5mm captive connector
Impedance	>10kΩ ohms unbalanced/balanced, DC coupled
Nominal level	+4 dBu balanced
Maximum level	+20 dBu balanced
Input sensitivity	+4 dBu (1.23 Vrms)
Input signal detection threshold	-65 dBu +/-3 dB, balanced

Audio Output

Output number/signal type.....	4 channel, 8 ohms or 4 ohms; or 2 bridged mono, 8 ohms, 16 ohms, 70 V or 100 V
Connectors.....	(2) 4 pole 5mm screw lock captive screw connectors
Load impedance	
Stereo mode (8 ohm)	8 ohms minimum
Stereo mode (4 ohm)	4 ohms minimum
Bridged mono mode (16 ohm)	16 ohms minimum
Bridged mono mode (8 ohm) ..	8 ohms minimum
Bridged mono mode (70V)	25 ohms minimum
Bridged mono mode (100V) ...	50 ohms minimum
Amplifier type	Class D
Output power	
Stereo mode.....	100 Watts per channel, 4 or 8 ohms, 1 kHz, 0.2% THD
Bridged mono modes	
Low impedance	200 watts per channel, 8 ohms or 16 ohms, 1 kHz, 0.2% THD
High impedance.....	200 watts per channel, 70V or 100V, 1 kHz, 0.2% THD
Frequency response	20 Hz to 20 kHz, +/- 1 dB, 8 ohms/ 70V / 100V
THD + Noise	0.2% @ 1 kHz at 3 dB below clipping
S/N	100 dB, 20 Hz - 20 kHz, unweighted
Damping factor.....	>100 @ 8 ohms
High pass filter	
Bridged mono mode	
(70V or 100V).....	80 Hz, 12 dB per octave rolloff (switch selectable)

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV ≈ 2 dBu

Specifications • XPA U 1004 SB (Continued)

Control/remote

Control port..... (1) 3.5mm captive screw connector, 5-pole(1) 3.5mm captive screw connector, 3-pole
 Pin configuration
 DC volume control (analog).... Pin 1 = +10 VDC, 50 mA (max.), Pin 2 = volume/mute (variable voltage),
 Pin 3 = GND
 Standby power control
 (contact closure)..... Pin 4 = GND, Pin 5 = Standby

General

Power..... 100 VAC to 240 VAC, 50-60 Hz, internal
 Power Consumption and Thermal Dissipation

XPA U 1004 SB		115 VAC, 60 Hz				230 VAC, 50 Hz			
		AC Line Current	AC Power Consumed	Thermal Dissipation		AC Line Current	AC Power Consumed	Thermal Dissipation	
Condition		A	W	W	BTU/hr	A	W	W	BTU/hr
Active (1/8 power), all channels driven	Stereo 8 Ω	0.6	66.7	16.7	57	0.4	65.4	15.4	53
	Stereo 4 Ω	0.7	71.6	21.6	74	0.4	70.3	20.3	69
	Bridged 8 Ω	0.7	69.5	19.5	67	0.4	67.8	17.8	61
	Bridged 16 Ω	0.6	65.3	15.3	52	0.4	64.3	14.3	49
	Bridged 70 V	0.6	64.7	14.7	50	0.4	63.6	13.6	46
	Bridged 100 V	0.6	63.3	13.3	45	0.4	62.2	12.2	42
Quiescent (idle)		0.1	9.2	9.2	31	0.1	9.0	9.0	31
Standby		<0.1	<1	<1	<3	<0.1	<1	<1	<3

Temperature/humidity

Storage..... -40 to +158°F (-40 to +70°C) / 10% to 90%, non-condensing
 Operating..... +32 to +122°F (0 to +50°C) / 10% to 90%, non-condensing
 Cooling Convection, no vents
 Protection..... Clip limiting, thermal, short circuit, DC output
 Indication..... Limiter/Protect LED indicates the onset of clip limiting, thermal cycling, or a short circuit.
 Power LED indicates DC output protection
 Rack mount..... Yes with included brackets and optional rack shelf
 Enclosure..... Metal (Aluminum)
 Enclosure dimensions..... (1U high, half rack wide)
 1.7" H x 8.7" W x 10.5" D
 43mm H x 220mm W x 267 mm D
 Product weight 4.2 lbs (1.9 kg)
 Regulatory compliance CE, c-UL, UL, CCC, C-tick, EN55032, EN55035, FCC Class B, ICES, KC,
 VCCI Class B, RoHS, WEEE
 Meets UL 62368-1 and BSEN 62368-1.
 UL rated for use in plenum airspaces: meets UL 2043 for heat and smoke release.
 Complies with the appropriate requirements of ENERGY STAR® (ENERGY STAR
 qualified amplifier).
 Warranty 3 years parts and labor
 Everlast power supply warranty.... 7 years parts and labor

NOTE: Shipping weights and dimensions are available at www.extron.com.

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