

Specifications

NetPA Series

Audio

Crosstalk >75 dB @ 1 kHz

Audio input

Number/signal type
NetPA 502 AT 1 stereo or 2 mono
NetPA 1001-70V AT 1 mono
Connectors 1 RJ-45
Maximum level 0 dBFS (digital)

Audio processing

D/A conversion 24 bit, selectable sampling rate

AT ports – audio transport

Transmission Dante/AES-67, software selectable
Connector 1 RJ-45 connector, 1-port 100 Mbps to Dante interface
Inputs
NetPA 502 AT 2 channels Rx
NetPA 1001-70V AT 1 channel Rx
Audio format 24-bit uncompressed, selectable at 44.1, 48, 88.2, and 96 kHz sampling rate
Latency Deterministic, based on user selection: 2.0 ms (default), 5.0 ms

Audio line output

Number/signal type
NetPA 502 AT 2 channels, balanced/unbalanced
NetPA 1001-70V AT 1 channel, balanced/unbalanced
Connectors
NetPA 502 AT (1) 3.5 mm captive screw connector, 6 pole
NetPA 1001-70V AT (1) 3.5 mm captive screw connector, 3 pole
Impedance 50 ohms unbalanced, 100 ohms balanced
Maximum level
(at 0 dBFS digital input) >+15 dBu balanced; +9 dBu unbalanced
Frequency response 20 Hz to 20 kHz, ± 1 dB
THD + Noise 0.03% @ 1 kHz at nominal level,
0.3% @ 20 kHz at nominal level
S/N >90 dB, at maximum output (unweighted)

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV \approx 2 dBu

Specifications • NetPA Series (Continued)

Audio speaker output

Number/signal type

NetPA 502 AT 2 channels, 4 or 8 ohms

NetPA 1001-70V AT 1 channel, 70 V

Connectors

NetPA 502 AT (1) 5.08 mm screw lock captive screw connector, 4 pole

NetPA 1001-70V AT (1) 5.08 mm screw lock captive screw connector, 2 pole

NOTE: These connectors accept wires of 22 AWG to 12 AWG.

Load impedance

NetPA 502 AT 4 ohms minimum

NetPA 1001-70V AT 50 ohms minimum

Amplifier type Class D

Output power

NetPA 502 AT 50 watts rms per channel, 4 ohms, 1 kHz, 0.1% THD
25 watts rms per channel, 8 ohms, 1 kHz, 0.1% THD

NetPA 1001-70V AT 100 watts rms, 70 V, 1 kHz, 0.1% THD

Frequency response

NetPA 502 AT 20 Hz to 20 kHz, +1/-3 dB @ 1 watt

NetPA 1001-70V AT 20 Hz to 20 kHz, +1/-3 dB @ 1 watt

THD + Noise <0.1% @ 1 kHz, 3 dB below clipping

S/N >90 dB, 20 Hz - 20 kHz, unweighted

High pass filter

NetPA 1001-70V AT 80 Hz, 12 dB per octave rolloff for 70 V line output (switch selectable)

Communications – amplifier

Control port (1) 3.5 mm captive screw connector, 2 pole

Pin configurations

Standby power control

(contact closure) Pin 1 = standby, pin 2 = Gnd

General

Power supply Internal

Input: 100-240 VAC, 50-60 Hz, 0.5 A

Power consumption and thermal dissipation

NetPA 502 AT

	115 VAC, 60Hz					230 VAC, 50Hz			
	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	8Ω	0.3	14.6	8.3	28	0.2	17	10.7	36
	4Ω	0.4	22.3	9.8	33	0.3	24	11.7	40
Quiescent (idle)	0.1	7.4	7.4	25	0.1	9.9	9.9	34	
Standby	<0.1	<2	<2	<6	<0.1	<2	<2	<6	

Specifications • NetPA Series (Continued)

NetPA 1001-70V AT

		115 VAC, 60Hz				230 VAC, 50Hz			
		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	70 V	0.4	22.7	10.2	35	0.3	24.1	11.6	39
	Quiescent (idle)	0.1	7.6	7.6	26	0.1	9.2	9.2	31
Standby		<0.1	<2	<2	<6	<0.1	<2	<2	<6

- Temperature/humidity Storage: -40 to +158 °F (-40 to +70 °C) / 10% to 90%, noncondensing
Operating: +32 to +104 °F (0 to +40 °C) / 10% to 90%, noncondensing
- Cooling Convection, no vents, with internal heat sink
- Protection Clip limiting, thermal, short circuit, DC output
- Indication Limiter/Protect LED indicates the onset of clip limiting, thermal cycling, or short circuit
- Mounting
 - Rack mount..... Yes, with optional 1U rack shelf
 - Furniture mount Yes, with optional under-desk mounting kit
- Enclosure type Metal
- Enclosure dimensions 1.7" H x 8.7" W x 9.5" D (1U high, half rack wide)
(4.3 cm H x 22.1 cm W x 24.1 cm D)
- Product weight
 - NetPA 502 AT 2.6 lbs (1.2 kg)
 - NetPA 1001-70V AT 2.6 lbs (1.2 kg)
- Regulatory compliance..... BSEN 60065, CE, C-tick, c-UL, EN 55103-1, EN 55103-2, ENERGY STAR®, FCC Class B, ICES, IEC 60065, RoHS, UL, UL 60065, VCCI Class B, WEEE.
- Product warranty 3 years parts and labor
- Everlast power supply warranty..... 7 years parts and labor

NOTE: All nominal levels are at ±10%.

NOTE: Specifications are subject to change without notice.

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

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