

# Ashly ne4250ped 4 x 250W/4 Ohms Network Power Amplifier with 4x4 Protea DSP and OPDante Option Cards

Front Panel		
Controls	Individual input attenuators, AC Power Switch	
Cooling	Temp dependent speed-controlled fan (Side-in, Front-out)	
LED Indicators: Unit Status		
POWER	Blue	Switch: On, Off
STANDBY	Yellow	Standby, flashing
PROTECT	Red	On, Off
DISABLE	Yellow	On, Off
COM	Green	On, for Ethernet data or Device ID
LED Indicators: Each Channel		
SIGNAL LEVEL	Red / Clip	
	Yellow / -6dB	
	Green / -18dB, -12dB	
BRIDGE	Green	Per Channel Pair
TEMP	Yellow	Per Channel
CURRENT	Green	Per Channel: Proportional to output
ne Models	<b>ne4250</b>	<b>ne8250</b>
Channels	4	8
Continuous Average Power Output: Per Channel, Low I models, Stereo Mode, All Channels Driven		
8 Ohms	150W	150W
4 Ohms	250W	250W
Low I Output: Bridge Mode, All Channels Driven		
8 Ohms	500W	500W
25V, 70V, 100V Distributed Output Models: 20Hz-20kHz 1% THD		
25V(per channel)	250W	250W
70V (per channel)	250W	250W
100V (per channel)	250W	250W
Line Current Draw: 120VAC Mains (divide in half for 230V)		
Standby Mode	190mA	290mA
Idle (no signal)	540mA	565mA
Typical (1/8 power pink noise)	2.85A	5.00A
Maximum (1/3 power pink noise)	6.00A	11.0A
Thermal Dissipation: BTU/hr, All Channels Driven		
Standby mode	46,7	63,8
Idle (no signal)	123	187
Typical (1/8 power pink noise)	341	700
Maximum (1/3 power pink noise)	378	775
Specifications Note: OdBu=0.775 VRMS		
Frequency Response	20Hz-20kHz, (unweighted) $\pm 1$ dB	
Input Impedance	20k Ohms, Balanced	
Voltage Gain	26dB (Low-Z), 32dB (70V), 35dB (100V)	
Input Sensitivity	6.2dBu (Low-Z), 4.2dBu (25V), 7.2dBu (70V), 7.2dBu (100V)	
Maximum Input Level	+21dBu	
Software Contolled Internal HPF (25V, 70V, 100V models)	80Hz (12dB/oct), 400Hz (6dB oct), OFF	
Signal to Noise (20-20k, Unweighted)	>107db (2450) >107dB (8250)	
Distortion (8 Ohm load)	*(SMPTE) <0.5% typical $\Delta$ (THD-N) <0.5% typical (20Hz-20kHz)	

Damping Factor (8 Ohms, 1kHz)	>250
Output Circuitry	Class D
Amplifier/Load Protection	Output Overcurrent, Main Supply Rail Overvoltage, Chassis Temperature, Inrush Limiting, Mains Fuse
<b>Rear Panel</b>	
Controls	Ethernet, Channel bridge switch (Low-Z only), Remote standby, Preset recall (4), Remote Level (8), Remote Data
Connectors (each channel)	Input: Euroblock Output: Euroblock
<b>Power Requirements</b>	
AC Main	120VAC or 240VAC $\pm$ 10% (factory set), 50-60Hz
Power Cable Connector	15A Edison, 3-Prong IEC
<b>Weights and Dimensions</b>	
Dimensions	19" W x 3.50" H x 16.84" D (483mm x 89mm x 428mm)
Airflow	IN through sides, OUT through front
Unit Weight	4250: 23 lbs (10.4 kg) 8250: 24.7 lbs (11.2 kg)
Shipping Weight	4250: 29.1 lbs (13.2 kg) 8250: 30.8 lbs (13.9 kg)
Environmental	40-120° F, (4-49° C) noncondensing
Safety/Compliance	cTUVus, CE, FCC, RoHS