

INTEGRA NO.1

The Integra No.1 Power Module from Ampsource is the ultimate one-fits-all power and processing platform, ready to be integrated in any 1,2,3-way speaker, or 2.1 speaker system. Delivering an astonishing 1200W Power Output, every inch of the Integra No.1 is carefully engineered to offer a reliable, customizable and cost-effective solution for speaker manufacturers looking for Power and DSP integration.

Plug & Play

Amplifier and DSP already integrated on one board

Easy Integration

Clever mounting and cooling transfer to backplate

Unique Presets

Create unique power and characteristics presets for each speaker model

Flexible Power Supply

Integrated 80-250V Power supply

Detail to Perfection

Fully featured DSP toolbox and Software Controller including X-Over, EQ, Delay, Peak and RMS Limiters etc

Efficient

Utilising a High power Class D amplifier stages with Low current draw

FEATURES & BENEFITS

O n e . M o d u l e

Mount the same module in all speakers to get less stocked variants from less suppliers, while at the same time, gaining greater buying power with higher quantities of a single part.



C o m p l e t e . S o f t w a r e

Complete Software Controller Package serves the need for Developer Tuning, User Tuning and Factory Programming.

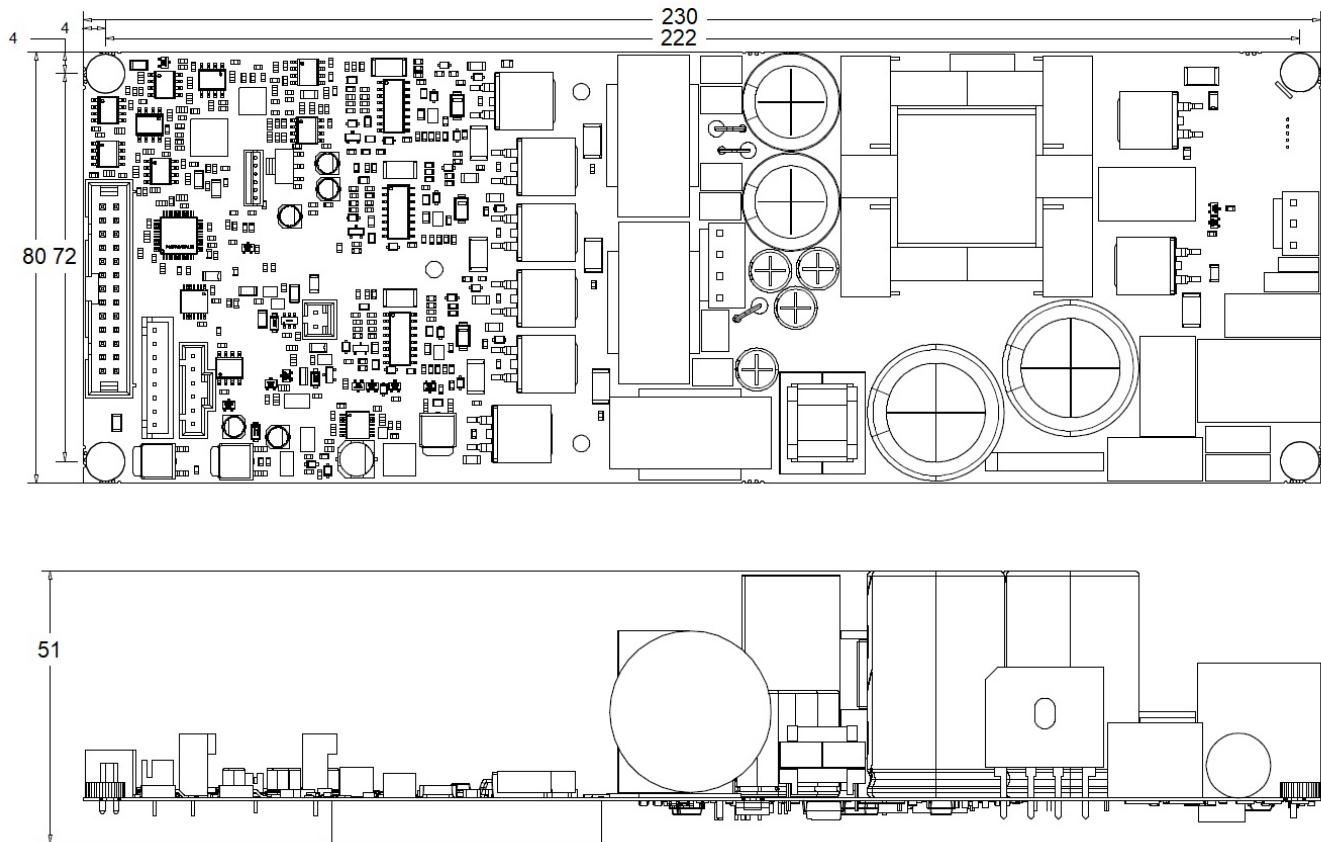


S u p e r i o r . Q u a l i t y



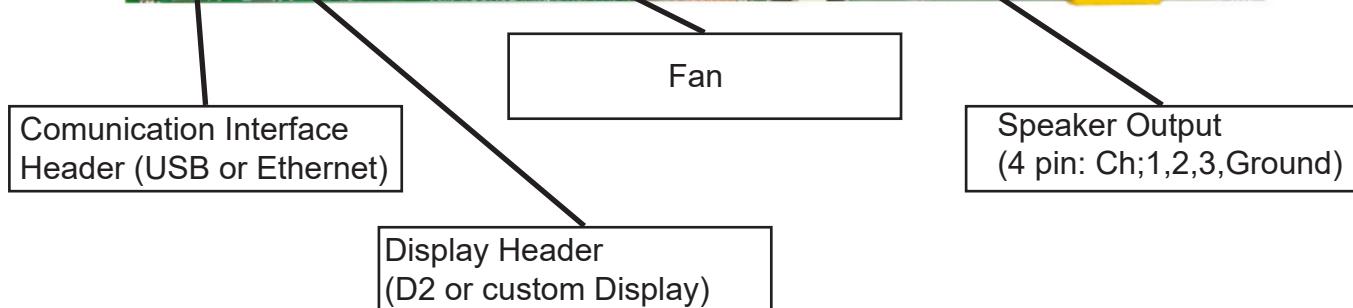
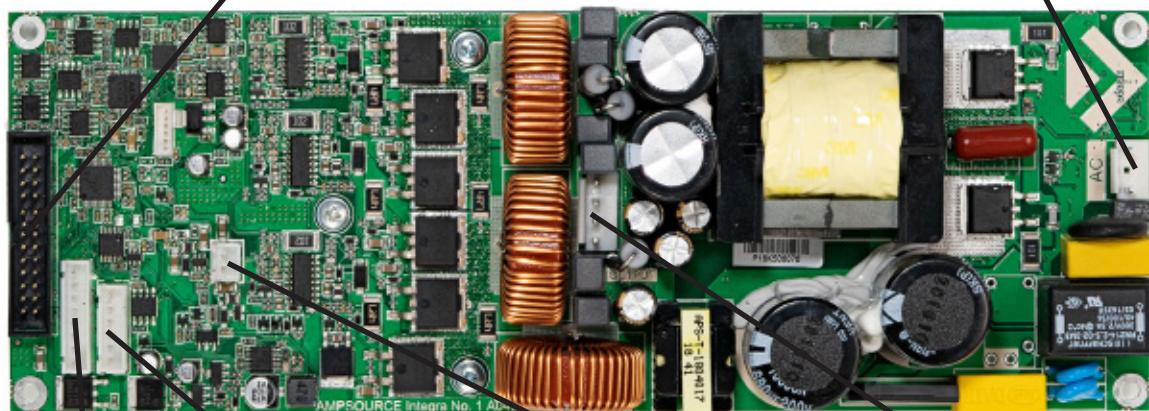
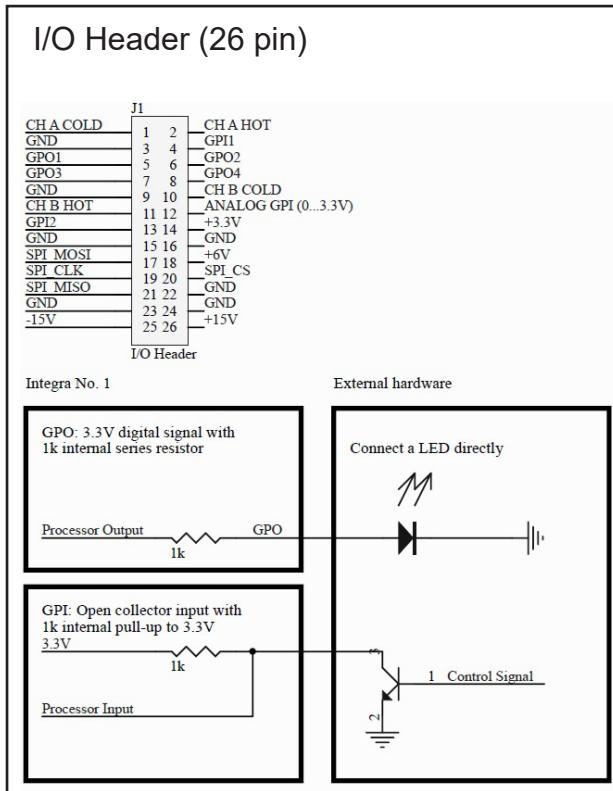
Our superior design and build quality brings you less breakdowns, less support, happier customers and better selling.

PHYSICAL



All measurements served in millimeters

CONNECTORS



Specifications

Amplifier

Number of channels	3
Max output power, 1-way / SUB Mode	1000W (4ohm), 700W (8ohm)
Max output power, 2-way Mode	Example: 900W + 300W (4ohm), 600W + 150W (8ohm)
Max output power, 3-way Mode	3 x 400W (4ohm), 220W (8ohm) (Max 440W/ch)
Max output voltage per channel	60Vpk
Max output voltage in 2-way / 1ch / SUB mode	120Vpk
Max output current	15A
Frequency response	15Hz-20kHz (- 2dB)
THD	0.04%

Power Supply

Type	Switchmode
Peak output power	1200W
Mains voltage	85-150....200-250VAC 45-65Hz

Auxiliary Power Supply

Output Voltage 1	+6V
Max output current	500mA
Output Voltage 2	+/-15V
Max output current	200mA
Fan output max current	200mA

Audio

System dynamic range	113dB(A)
Frequency range	10Hz....22kHz
Digital processing	Mixed-mode 64 bits
Maximum input level	+20dBu
Sensitivity	+6dBu

DSP

EQ:s	10 x parametric on each input and each output
Delay	10ms on each input and output
Filter types	Butterworth, Bessel, Linkwitz-Riley <24dB / oct.
Limiters	Peak and RMS on each input and output
Phase Invert	180°
Preset slots	100
Multi-Band Limiter	
FIR filters	

Connectors

I/O Header (26 pin)	Input 1, Input 2 GPI1, GPI2, Analog GPI (0...3,3V (Potentiometer)) GPO1, GPO2, GPO3, GPO4, LED GPO Serial Communicaton (SPI) 6V Supply 15V Supply
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Speaker Output (4 pin)

Channel Output 1,2,3,GND

Comunication Interface Header

Ethernet or USB

Display Header

D2 display or custom display

Software Control

Full configuration and real time monitoring (PC and Mac)	<i>Ampsource Controller</i>
Factory speaker firmware programming (PC and Mac)	<i>Ampsource Factory Controller</i>
Super intuitive end user controll software	<i>Ampsource User Controller</i>

Protection

DC-offset protection	
Oversoltage protection	
Undervoltage protection	
PSU temperature protection	
Amp temperature protection	

Optional

Customizable Mac, PC, iOS and Android User interface	
Ethernet or USB interface	
Dante, Audio Networking	
Complete, configurable, ready to integrate backplate -	
<i>Integra NO.1 PowerPlate</i>	

Dimensions

230mm x 80mm x 51mm