

Quest QTA-D Series Power Amplifiers

QTA1240D - QTA1500D - QTA2240D - QTA4240D



QTA4240D

Description

The QTA-D range of digital amplifiers have been designed with practicality and versatility in mind. Four models are available in the range, a single channel 240W (QTA1240D), a single channel 500W (QTA1500D), a two channel 240W (QTA2240D) and a 4 channel 240W (QTA4240D).

The entire QTA-D range has been developed with green power saving technology whilst delivering long life and low cost operation. The APFC (Active power factor correction) switch-mode power technology means that the QTA-D series operates at 85% efficiency compared to standard commercial amplifiers. This is achieved while maintaining relatively low heat generation, even under severe working conditions.

The QTA-D series all feature phoenix connector line inputs as well as 100v transformerless line speaker outputs. Volume control for each channel can be accessed directly from the front panel.

Status indicators include signal, peak and protection as well as an automatic mains power supporting AC 190V to 240V.

Emergency DC 24V backup power can also handle variations in power from 20V to 25.6V which makes battery backup power very reliable. Additional reliability features are a high-quality cooling fan, as well as built-in temperature, overload, and short circuit protection.

Features

- High efficiency class-D series digital power amplifier
- Active power factor correction (APFC) switching power technology
- Low power consumption and low heat generation
- Phoenix connector line input's
- 100V transformerless speaker output's
- Front panel volume controls
- Built-in band-pass filter (80Hz to 16kHz)
- Highly effective cooling system
- Status indicators for signal, peak and protection
- Extensive high temp, overload and short-circuit protection
- Wide AC 190V to 240V voltage input
- 24V DC input with wide voltage protection
- Compact 1RU form factor

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Specifications

Model	QTA1240D	QTA1500D	QTA2240D	QTA4240D
Rated Power Output	1 x 240W	1 x 500W	2 x 240W	4x240W
Speaker Outputs	100V	100V	100V	100V
Input Sensitivity & Impedance	$\pm 385\text{mV} \setminus 20\text{K} \Omega$			
Frequency Response	30Hz - 12kHz (+/-3dB)			
S\N Ratio	$\geq 85\text{dB}$			
THD	$\leq 0.1\% @ 1\text{kHz}$			
Indicators	Signal, peak, protection and power			
Protection	High temp, overload and short circuit			
Cooling	Automated high speed fans			
Power Consumption	300W	300W	550W	1200W
Power Supply	190-240V AC and 24V DC			
Unit Dimensions	484x395x44mm			
Shipping Dimensions	550x550x155mm	550x550x145mm	550x550x150mm	550x550x145mm
Unit Weight	4.5kg	5.5kg	7.5kg	9kg
Shipping Weight	7.3kg	7.3kg	8.4kg	11.3kg

Quest Engineering reserves the right to make changes and modifications to product specifications at anytime without prior notice