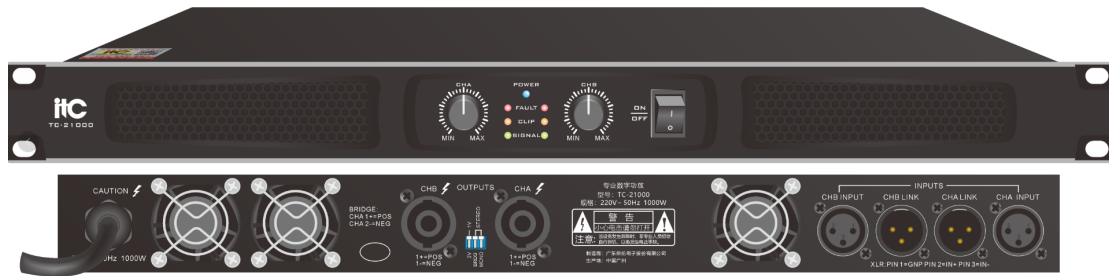




Professional Amplifier

TC-21000



Description

This series of products is the latest generation of high-power professional digital power amplifiers, featuring high efficiency, stability and excellent sound quality. It is specially designed for large-scale sound reinforcement, performances in multi-function halls, etc.

Feature

- * Dual-channel high-power professional digital power amplifier;
- * The power amplifier has DC, short circuit, overload and overheat protection;
- * Adopt variable oscillation modulation technology, multiple feedback control technology and innovative output power control technology to achieve more than 95% ultra-high efficiency and excellent stability;
- * Support sensitivity 1V/2V selectable switching, XLR balanced input/XLR balanced LINK output; SPEAKON audio socket output;
- * With signal, power, temperature limit function;
- * Three modes of MONO/STEREO/BRIDGE can be switched;
- * With temperature-controlled fan, which will run when booting, and will accelerate as the temperature increases. The full speed is about 60 degrees;
- * The panel has signal indicator (green), clipping indicator (orange), protection indicator (red), and power indicator (blue);
- * Regular load is 8 Euros, 4 Euros, and minimum 2 Euros.

Specification

Output power (1kHz/THD≤1%)	Continuous amplifier	Maximum power*
Stereo 8Ω×2	2*1000W	2*1500W
Stereo 4Ω×2	2*1700W	2*2600W
Stereo 2Ω×2	2*2900W	2*4350W
Bridge 16Ω	2000W	3000W
Bridge 8Ω	3400W	5100W
Bridge 4Ω	5800W	8670W
Connecting socket	XLR interface	
Voltage Gain (@1kHz)	39dB	
Input sensitivity	2.2dBu(1V), 8.2dBu(2V)	
Input impedance	10KΩ unbalanced, 20KΩ balanced	
Frequency response (Under @1W power)	20-20kHz/±1dB	
THD+N (Under @1/8 power)	≤0.01%	
SNR (A-weighted)	≥105dB	
Damping Factor (@ 1kHz)	≥200@ 8 ohms	
Crosstalk (@1kHz)	≥85dB	
Protection method	Overvoltage protection, undervoltage protection, overcurrent protection, DC protection, short circuit protection	



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Indicator light	Power, Protection, Signal, Distortion
Cooling method	Fan cooling
Power supply	~ 220 50Hz
Overall power consumption	1000W
Dimensions (L x W x H)	483x370x44mm
Weight	7.6kg

Notes:

Output power: according to CEA-2006-B/CEA-490-A standard using 20ms pulse 1kHz sine wave measured under 1% total harmonic distortion.
Overall power consumption: according to GB4943.1-2022 test method: measured under 1kHz sine wave rated load 1/8 power conditions.