itc · DANTE NETWORK AMPLIFIERS

TC-4500DT/TC-4700DT/TC-41500DT

Digital Amplifier

The itc TC-4500DT family is a digital Amplifier from itc's Dante Network Amplifiers range, built for powering loudspeaker systems in halls, auditoriums, places of worship, banquet venues and live events. It is offered in 3 versions — TC-4500DT, TC-4700DT, TC-41500DT — so one design language covers rooms of different sizes.

Key figures: frequency response 20Hz-20kHz /+1/-1dB; thd+n ≤0.05%; power supply ~ 220V 50Hz. Highlights include unique design scheme, high-end DSP processor and multiple working modes for different user needs.



Key features

- Unique design scheme — High-efficiency PFC Switching power supply Class D digital power amplifier Low distortion and high efficiency
- High-end DSP processor — Built-in compressor, limiter, FIR processor, noise gate, parametric equalizer, matrix router, delayer, high and low pass processing, etc.
- Multiple working modes for different user needs — Stereo Bridge Free switching between bridge and matrix mode
- 4.3-inch IPS capacitive touch screen for display and control — Mains voltage/current/amplifier status Amplifier temperature Output mode Amplifier real-time voltage/current/power Channel volume Speaker impedance
- Free switching of various input sources — Analog input AES3 digital audio input Dante network audio input

Technical specifications

Versions: TC-4500DT · TC-4700DT · TC-41500DT (values in the same order)

Output power (20-20KHz/THD≤1%)	Stereo/matrix@8Ω×4: 500W×4 Stereo/matrix@4Ω×4: 700W×4 Bridge @16Ω×2: 1000W×2 Bridge @8Ω×2: 1400W×2 Bridge constant voltage 100V@10Ω: 1000W×2 / Stereo/Matrix 8Ω×4: 700W×4 Stereo/Matrix 4Ω×4:
Connecting interface	XLR, DANTE interface
Input sensitivity	2dBu/6dBu/12dBu
Input resistance	20kΩ balanced
Frequency response (@1W power)	20Hz-20kHz /+1/-1dB
THD+N (@1/8 power)	≤0.05%
SNR (A-weighted)	≥99dB
Damping coefficient (@ 1KHz)	≥200@ 8 ohms
Isolation (@1KHz)	≥97dB
Protection method	Over-current protection, DC protection, short-circuit protection
Indicator light	Power, Protection, Distortion
Cooling method	Fan cooling
Power supply	~ 220V 50Hz
Overall power consumption	850W / 1100W / 2700W
Dimension (L×D×H)	484×450×88 / 484*477*88
Weight	14kg / 14.6kg / 13.8kg