

Powersoft QUATTRO 4804 DNT - Razglasno pojačalo

Šifra: 16354

Kategorija proizvoda: Razglasna Pojačala

Proizvođač: Powersoft

Cena: 575.856,00 rsd

Quattrocanali is designed to operate with lo-Z (from 2 Ω) and 70V/100V distributed lines or any mix of the two.

This Amplifier Platform can also be trusted in mission-critical applications, such as fire alarm systems, thanks to the cleverly engineered power supply that allows reliable operation even when connected to a UPS.

Power supply

Powersoft legendary universal switch mode power supply up to 400VAC tolerant with Power Factor Correction

Low Inrush Limiting reduces AC inrush current, removing the need for expensive power sequencers

Detachable AC mains cable with IEC C19/22.2 (16A for EU, 20 A for USA) socket

Protections

Fully protected circuit design with:

Ac protection: shut down power supply when AC mains voltage is outside operating range

Clip limiter: prevents severely clipped waveforms from reaching loudspeakers, while still maintaining full peak power output

DC protection: protects against infrasonic signal at the outputs

VHF protections: protects the loudspeakers against non audible, strong, non musical high frequency signals

Short circuit protection: protects the amplifier from short circuit or other stressful events for the output circuits with automatic protection reset

Long term limiter: protects the loudspeaker against steady long term RMS (non audio) signals, by reducing maximum output

Thermal protection: output stages operating temperature up to 80 °C (176 °F)

Temperature controlled continuous variable speed fan, front to back airflow

Temperature forecast with LCD traced historical behavior

General

Fixed frequency switch-mode output stage for high grade sound accuracy

Compact size - all models only 1 RU for reduced rack cost and space

Light weight - for easier racking and shipping: 7 kg (15.4 lbs)

Standard Phoenix connectors: analog audio outputs, aux supply, alarms and GPIO

Remotely switchable double input (main and aux) per channel

Settings

Built-in defeatable clip limiters for each channel

Digital gain-attenuator control

Defeatable gate selection for each channel

User selectable gain/sensitivity

Alarms and GPI/O

NC/NO contacts per channel for alarm notifications

Remote ON/OFF switch

Remote VCA control per channel

Remote Control & Monitoring

Via Software:

Attenuation (from 0 dB to 26 dB)

Max output voltage

Output and gain reduction metering

Diagnostics (temperature, fans, ...)

Via Hardware:

Attenuation (from 0dB to 26dB)

High-pass filters (35Hz, 70Hz)

Lo-Z/Hi-Z/70V/100V output selection

Adjustable gain (from 26dB to 35 dB)

GENERAL

Output power per Channel

Output power per Channel 1500 W @ 2 Ω 1200 W @ 4 Ω 1200 W @ 8 Ω

Bridge mode 3000 W @ 4 Ω 2400 W @ 8 Ω

Max output voltage / current

Max unclipped voltage @8 Ω 139 V_{peak}

Current 45 A_{peak}

AC MAIN POWER

Power supply Universal, regulated switch mode with PFC (Power Factor Correction)

Nominal power requirement 100-240 V ±10%, 50-60 Hz

Operating voltage 90 V - 264 V

Power consumption/current draw

Idle 115 V: 31 W - 0.47 A 230 V: 32 W - 0.28 A

1/8 of max output power @ 4 Ω 115 V: 823 W - 7.7 A 230 V: 840 W - 4.3 A

THERMAL

Operating temperature range 0° - 45° C - 32° - 113° F

Thermal dissipation*

Idle 115 V: 106 BTU/h 230 V: 107 BTU/h

1/8 of max output power @ 4 Ω 115 V: 759 BTU/h 230 V: 840 BTU/h