

DARA-4B600

AMPLIFIERS

Networkable Amplifiers



A&E SPECIFICATIONS

The amplifier shall be a network-enabled Class D power amplifier, containing four independent controllable amplifier channels delivering 600 W RMS per channel at 4 Ω , suitable for low-impedance (2 Ω / 4 Ω / 8 Ω) and high-impedance (70 V / 100 V) loudspeaker systems, as well as Bridge mode, configurable by pairs of channels.

The amplifier shall incorporate an integrated DSP with internal 4 \times 4 digital matrix, enabling advanced audio processing and flexible signal routing. It shall include Ecler loudspeaker EQ presets and allow precise system optimization.

The signal input connections shall be balanced analogue inputs, performed using 3-pin Euroblock connectors, while the output connections shall be carried out via 2-pin Euroblock connectors for secure installation wiring.

The amplifier shall support remote control and monitoring via an embedded web interface and shall be fully compatible with the Ecler PULSO Series, allowing control from Android and iOS applications. Dual Ethernet ports with an integrated network switch shall allow network daisy-chaining.

Comprehensive protection circuitry shall be included, covering thermal protection, overload protection, short-circuit protection, DC protection and clip limiting, ensuring safe and reliable operation under all load conditions.

The amplifier shall incorporate an Auto Standby energy-saving function, selectable via software configuration.

The power supply shall be a universal, regulated SMPS with PFC, allowing operation from 100–240 V AC, 50/60 Hz mains networks. The mains connection shall be made via a fused IEC C14 inlet.

The chassis shall be a 19-inch rack-mountable steel enclosure, occupying 1U of rack space, with overall dimensions of 484 \times 44 \times 411.6 mm (W \times H \times D). The total weight shall not exceed 7.65 kg.

The amplifier shall be the ECLER DARA-4B600.