

DARA-4B300

AMPLIFIERS

Networkable Amplifiers



A&E SPECIFICATIONS

The amplifier shall be a network-enabled Class D power amplifier, containing four independent controllable amplifier channels delivering 300 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, providing advanced audio processing functions including EQ, delay, compressors and limiters, as well as internal routing and speaker preset management.

The signal input connections shall be balanced analogue inputs using 3-pin Euroblock connectors, and the loudspeaker outputs shall be provided on 2-pin Euroblock connectors, ensuring safe and professional installation standards.

The amplifier shall feature dual Ethernet ports with integrated switch, allowing network daisy-chaining, and shall be configurable and monitored through an embedded web application. Full compatibility with the Ecler PULSO Series shall allow remote control via Android and iOS devices.

Integrated protection systems shall include AC protection, DC protection, thermal protection, HF protection, short-circuit protection and clip limiting, guaranteeing long-term reliability in demanding professional installations.

An Auto Standby function shall be included to minimize power consumption during periods of inactivity.

The amplifier shall be powered by a universal regulated SMPS with PFC, operating on 100–240 V AC at 50/60 Hz, with mains connection via a fused IEC C14 inlet.

The enclosure shall be a 19-inch rack-mount steel chassis, occupying 1U, with dimensions of 484 $\times$ 44 $\times$ 296.6 mm (W $\times$ H $\times$ D) and a total weight not exceeding 4.95 kg.

The amplifier shall be the ECLER DARA-4B300.