Waves CA1000
Commercial Audio DSP Engine

Architects and Engineers Specification

The Waves CA1000 Commercial Audio DSP Engine shall be designed for use with standard ASIO interfaces or Dante® network audio systems. The CA1000 shall support two (2) Ethernet connections on RJ45 connectors. The CA1000 shall have an internal CPU for audio processing. The CA1000 shall have up to 16x16 input and output channels for audio processing.

The CA1000 configuration and all programming of the audio processing shall be software configurable using Waves SuperRack (native) application, and the Dante Virtual Soundcard (DVS) driver or a customer supplied standard ASIO driver. The CA1000 shall include Microsoft Windows 10 operating system. Windows, Waves SuperRack and the DVS driver shall be factory-installed and activated, and the CA1000 shall include audio processing presets and the corresponding audio processing plugins to provide superior sound quality for AV installations.

The CA1000 shall have 4 (four) Universal Serial Bus (USB) connection ports on a standard USB type connector for system configuration (mouse, keyboard) and emergency boot. The CA1000 shall have 2 (two) HDMI connectors for attaching a monitor for system configuration. The CA1000 shall have a power on/off button on the front panel.

The CA1000 shall be 1RU in height, ½ rack width and be rack mountable using a equipment tray. The CA1000 shall be also rack mountable together with another CA1000 in a side-by-side arrangement using a tray.

The CA1000 shall be CE marked, UL listed, and shall be compliant with FCC and CB. The CA1000 warranty shall be 12 months.

Specification Table

Overall Dimensions	Width: 22 cm / 8.7 in Depth: 27.7 cm / 10.9 in Height: 4.2 cm / 1.7 in Rubber Feet: Height: 4 mm / 0.15 in
Weight	Device Weight: 2.1 Kg / 4.6 lbs
Power	Internal, 100-240 VAC, 50/60 Hz, 15 W, auto-switching; C13-type connector
Sampling Rates	44.1, 48, 88.2, 96 kHz
Computer	CPU: Intel® Celeron® RAM: 8 GB Storage: 256 GB SSD internal
Connectivity	USB: 4 ports (2x USB 3.0, 2x USB 2.0) HDMI: 2 ports Ethernet: 2x RJ45 connectors
Environment	Operating Environment temperature range: 50° to 95°F / 10° to 35°C Max Environment temperature: 104°F / 40°C
Compliance	UL, CE, FCC, CB

Mechanical Diagram