



Waves SoundGrid Server One-C



Architects and Engineers Specification

The Waves SoundGrid Server One-C shall be designed exclusively for use with SoundGrid systems. The Server One-C shall support Ethernet connection for audio I/O and control on an Ethercon connector. The Server One-C shall have internal CPU for audio processing. The Server One-C shall have up to 256x256 input and Output channels for audio processing of SoundGrid AoIP audio packets. The server configuration, life cycle management and all programming of the audio processing shall be software configurable over the SoundGrid network protocol via the network by one of the SoundGrid host applications for OS X and Windows including but not limited to eMotion LV1, SuperRack, MultiRack, eMotionST and SoundGrid Studio.

The Server One-C shall have a Universal Serial Bus (USB) connection on a standard USB type connector for emergency boot. The Server One-C shall have an HDMI connector for hooking up a monitor for debug purposes. The Server One-C shall have a power on/off and reset buttons on the front panel. The Server One-C front panel also supports a status LED to indicate power and networking status. The Server One-C shall support front panel removable grill that can be removed for dust filter cleaning or replacing.

The Server One-C shall be rack mountable - 2RU in height, ½ rack width - and shall be rack mountable using extension ears. The Server One-C shall be also rack mountable together with another C-type SoundGrid server or Axis One using a tray. The Server One-C shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be one year.



Specification Table

Overall Dimensions	Length: 22.1 cm / 8.7 inches Height: 8.61 cm / 3.39 inches Depth: 25.1 cm / 9.9 inches
Weight	Device Weight: 3.2 kg / 7.1 lbs Package Weight: 4.46 kg / 9.85 lbs
Power Consumption (100~240VAC 50/60Hz) IEC Connector	50W at 100-120V 46W at 220V
Sampling Rates	44.1, 48, 88.2, 96 kHz
Computer	CPU: Intel® Skylake i5 RAM: 8 GB Motherboard: Gigabyte GA-B150N-GSM LAN Card: Intel on-board Operating CPU Temperature: 86° to 167°F / 30° to 75°C Max CPU Temperature: 185°F / 85°C *Tested at room temperature 75°F / 23.8°C
Connectivity	USB: 1 port HDMI: 2 ports Ethernet: Ethercon connector
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



Physical Diagrams

