



# Waves SoundGrid Extreme Server



## Architects and Engineers Specification

The Waves SoundGrid Extreme Server shall be designed exclusively for use with SoundGrid systems. The Extreme Server shall support Ethernet connection for audio I/O and control on an Ethercon connector. The Extreme Server shall have internal CPU for audio processing. The Extreme Server 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 Extreme Server shall have a Universal Serial Bus (USB) connection on a standard USB type connector for emergency boot. The Extreme Server shall have an HDMI connector for hooking up a monitor for debug purposes. The Extreme Server shall have a power on/off and reset buttons on the front panel. The Extreme Server front panel also supports a status LED to indicate power and networking status. The Extreme Server shall support front panel removable grill that can be removed for dust filter cleaning or replacing.

The Extreme Server shall be rack mountable - 2RU in height, 1 rack width - and shall be rack mountable using extension ears. The Extreme Server shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be one year.



## Specification Table

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| Overall Dimensions   | Length: 48.3 cm / 19 inches<br>Height: 8.9 cm / 3.5 inches<br>Depth: 30 cm / 11.8 inches   |
| Weight   | Device Weight: 8.3 kg / 18.4 lbs<br>Package Weight: 10.8 kg / 24 lbs   |
| Power Consumption<br>(100~240VAC 50/60Hz)<br>IEC Connector | 50W at 100-120V<br>46W at 220V   |
| Sampling Rates   | 44.1, 48, 88.2, 96 kHz   |
| Computer   | CPU: Intel® Skylake i7<br>RAM: 8 GB<br>Motherboard: Gigabyte GA-B150N-GSM<br>LAN Card: Intel on-board<br>Operating CPU Temperature: 86° to 167°F / 30° to 75°C<br>Max CPU Temperature: 185°F / 85°C<br>*Tested at room temperature 75°F / 23.8°C |
| Connectivity   | USB: 2 ports<br>HDMI: 2 ports<br>Ethernet: Ethercon connector  |
| Environment  | Operating Environment temperature range: 50° to 95°F / 10° to 35°C<br>Max Environment temperature: 104°F / 40°C  |
| Compliance   | UL, CE, FCC, CB  |



# Physical Diagrams

