Architects and Engineers Specification

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

The Impact Server-C shall be rack mountable - 2RU in height, ½ rack width - and shall be rack mountable using extension ears. The Impact Server-C shall be also rack mountable together with another C-type SoundGrid server or Axis One using a tray. The Impact Server-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 | 50W at 100-120V  
46W at 220V |
| IEC Connector     | (100~240VAC 50/60Hz) |
| Sampling Rates    | 44.1, 48, 88.2, 96 kHz |
| Computer          | CPU: Intel® Skylake i3  
RAM: 4 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: 2 ports  
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

SoundGrid Impact Server C

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