



Extreme SoundGrid Server X10



Architects and Engineers Specification

The Waves Extreme SoundGrid Server X10 shall be designed exclusively for use with SoundGrid systems. The Extreme Server X10 shall support Ethernet connection for audio I/O and control on an Ethercon connector. The Extreme Server X10 shall have internal CPU for audio processing. The Extreme Server X10 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 two Universal Serial Bus (USB) connections on standard USB type connectors 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 button on the front panel. The Extreme Server front panel also supports two status LEDs to indicate networking and CPU temperature status. The Extreme Server shall support a removable front panel that can be removed for dust filter cleaning or replacement.

The Extreme Server shall be rack mountable - 2RU in height, 1 rack width - and shall be rack mountable using the included 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 (incl. rack ears): 48.3 cm / 19 inches w/o rack ears: 44 cm / 17.3 inches Height: 8.9 cm / 3.5 inches Depth: 36 cm / 14.2 inches Incl. front rack handles: 39.2 cm / 15.4 inches |
| Weight | Device Weight: 7 kg / 15.4 lbs Package Weight: 8.9 kg / 19.6 lbs |
| Power Consumption (100~240VAC 50/60Hz) IEC Connector | 65W at 100-120V 65W at 220V |
| Sampling Rates | 44.1, 48, 88.2, 96 kHz |
| Computer | CPU: Intel® i7-10700 RAM: 8 GB Motherboard: Gigabyte® GA-IMB410N LAN: Intel® I211 |
| Connectivity | USB 3.0: 2 ports (Service only) HDMI: 1 port (Service only) 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



ALL DIMENSIONS ARE IN MILLIMETERS
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EXTREME SERVER X10

