



# One-C SoundGrid Server X10



## Architects and Engineers Specification

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

The One-C Server X10 shall be rack mountable - 2RU in height, ½ rack width - and shall be rack mountable using extension ears. The One-C Server X10 shall be also rack mountable together with another C-type SoundGrid server or Axis One using a tray. The One-C Server X10 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: 8.6 cm / 3.4 inches Depth: 28.4 cm / 11.2 inches
Weight	Device Weight: 3.4 kg / 7.5 lbs Package Weight: 5 kg / 10.9 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® i3-10300 RAM: 8 GB Motherboard: Gigabyte® GA-IMB410N LAN: Intel® I211
Connectivity	USB 3.0: 2 ports (Service only) HDMI: 2 ports (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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