



# Waves SoundGrid Proton Server



## Architects and Engineers Specification

The Waves SoundGrid Proton Server shall be designed exclusively for use with SoundGrid systems. The Proton Server shall support Ethernet connection for audio I/O and control on an RJ45 connector. The Proton Server shall have internal CPU for audio processing. The Proton 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 Proton Server shall have 3 (three) Universal Serial Bus (USB) connection ports on a standard USB type connector for emergency boot. The Proton Server shall have an HDMI connector for hooking up a monitor for debug purposes. The Proton Server shall have a power on/off button on the front panel.

The Proton Server shall be designed to be placed on a table-top - 1RU in height, ½ rack width. If required, the Proton Server shall be rack mountable using a tray. The Proton Server shall be also rack mountable together with another Proton Server or Proton Axis using a tray.

The Proton Server shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be six months.



## Specification Table

|                               |  |
|-------------------------------|--|
| Overall Dimensions            | Width: 19.5 cm / 7.6 in<br>Length (front to back): 20.5 cm / 8 in<br>Height: 3.8 cm / 1.5 in<br>Rubber Feet: Height: 4 mm / 0.15 in  |
| Weight                        | Device Weight: 1.06 Kg / 2.34 lbs  |
| Power<br>(100~240VAC 50/60Hz) | DC   |
| Power Adapter                 | DC 12V 3A (UL/CE/FCC Certified)  |
| Sampling Rates                | 44.1, 48, 88.2, 96 kHz   |
| Computer                      | CPU: Intel® Celeron® J4105<br>RAM: 4 GB<br>Motherboard: J4105AEL2<br>LAN Card: Realtek on-Board<br>Operating CPU Temperature: 86° to 167°F / 30° to 75°C<br>Max CPU Temperature: Tjunction +105 C<br>*Tested at room temperature 75°F / 23.8°C |
| Connectivity                  | USB: 3 ports<br>HDMI: 1 port<br>Ethernet: RJ45 connector   |
| Environment                   | Operating Environment temperature range: 50° to 95°F / 10° to 35°C<br>Max Environment temperature: 104°F / 40°C  |
| Compliance                    | RoHS, CE, FCC  |



# Physical Diagrams

