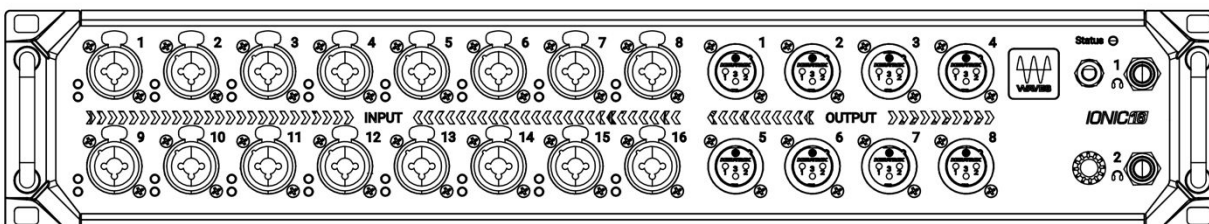




PRODUCT OVERVIEW

- PC/Mac compatibility
- Fully integrated with SoundGrid systems and applications
- 16 Mic/Line Waves Signature preamps
- 12 line outputs
- 2 headphone outputs
- Stereo AES Input/Output
- Sample Rates: 44.1 kHz, 48 kHz, 88.2 kHz, and 96 kHz
- Input impedance selector (2k ohms /8 k ohms)
- Optional: redundant external power supply



A&E SPECIFICATIONS

The Waves IONIC 16 SoundGrid Audio Interface shall be designed for use with SoundGrid systems or PC/Mac drivers. The IONIC 16 shall support an Ethernet connection on an EtherCon connector for SoundGrid digital audio and control transport protocol. The IONIC 16 shall have 12 microphone / line level inputs on XLR/TRS combo connectors, and 12 live level outputs on XLR connectors. The IONIC 16 shall have a stereo AES3 input and output interface over XLR connectors. The IONIC 16 shall have 2 stereo headphones outputs on TRS connectors, with a gain control knob. The IONIC 16 shall have a power inlet module on the back panel, including an IEC mains connector, a fuse, and the power on/off switch.

The IONIC 16 configuration and operation shall require the SoundGrid software and driver to be installed on the connected PC/Mac computer. The IONIC 16 shall have a Software Driver control panel that configures Input modes, Output modes, and audio word clock settings.

The IONIC 16 shall be 2RU high, 19 inch wide, and shall be rack mountable. The IONIC 16 shall be CE marked, UL listed, and shall be compliant with FCC and CB regulations. The IONIC 16 warranty period shall be 12 months.

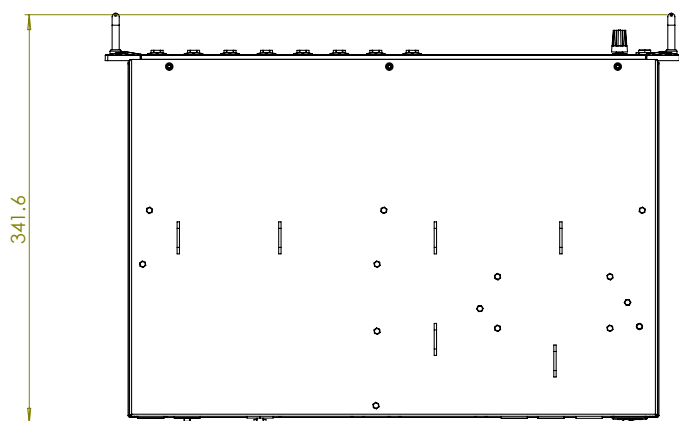
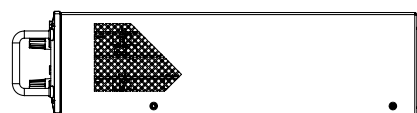
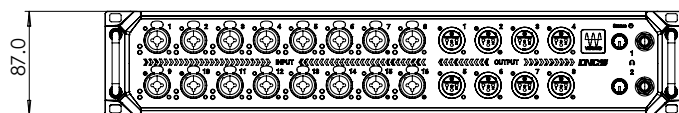
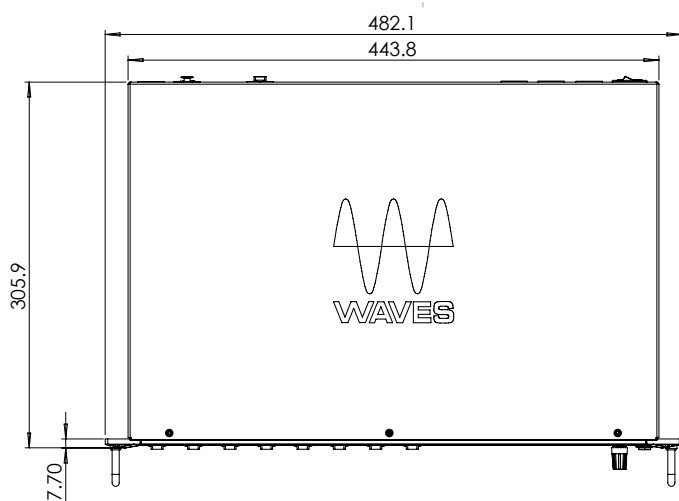


IONIC 16

Technical Data Sheet

DIMENSIONS

W x D x H	482.1 mm (w) x 305.9 mm (d) x 87 mm (h) (19 in x 12 in x 3.42 in)
Weight	5.3 kg (11.7 lbs)





SPECIFICATIONS

Sample Rate	44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
Microphone / Line input	• Input Gain: adjustable from -3 dB to +60 dB in steps of 1dB, default +20 dB • Frequency response: (+18 dBu input) +/- 0.1 dB, 20 Hz to 20 kHz +/- 1.0 dB, 10 Hz to 40 kHz • Dynamic range: >110 dB (20 kHz BW, 0 dB Gain) • EIN -130 dBu (gain 60 dB, 0 ohms source, A-weighted) • THD+N -100 dB (997 Hz, +18dBu source, 0 dB Gain, 20kHz BW) • Input impedance: • XLR: 2k ohms / 7k ohms, selectable per input • TRS: 14.6k ohms • Input Sensitivity: • XLR: -33 dBu to +27 dBu, adjustable in 1 dB steps • TRS: -27 dBu to +33 dBu, adjustable in 1 dB steps • CMRR: 50 dB (20 Hz to 1 kHz, 0 dB gain) • Crosstalk: > 90 dB (20 Hz to 20 kHz, +27 dBu input, 0 dB gain) • 48V phantom power switchable per input • Harmonic Enhancer, switchable per input • Front panel signal presence and clip indicator, per channel
Line output	• Maximum output level: +18 dBu or + 24 dBu, switchable per output • Frequency Response: +/- 0.1 dB, 20 Hz to 20 kHz @ 48 kHz SR +0.1 / -1.0 dB, 10 Hz to 40 kHz @ 96 kHz SR • THD+N: -100 dB @ +24 dBu, -105 dB @ +18 dBu (997 Hz, 20 kHz BW) • Crosstalk: > 90 dB (20 Hz to 20 kHz) • Residual output noise: -87 dBu (A-Weighted) • Output impedance: 150 ohms
Phones output	• Adjustable output gain • Frequency Response: +/- 0.1 dB, 20 Hz to 20 kHz @ 48 kHz SR +0.1 / -1.0 dB, 10 Hz to 40 kHz @ 96 kHz SR • THD+N: -80 dB (3V @ 30 ohms load, 997 Hz, 20 kHz BW) • Output impedance: 20 ohms
AES3	• Input / Output impedance: 110 ohms • Input SR with auto conversion (SRC) • Output SR support: 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz
SoundGrid	Ethernet 1GB
Power	100 V–240 V auto-switching PSU 0.5 amp / 0.25 amp, Redundant PSU external input
Operating Temperature	0 to 35 degrees Celsius (32 to 95 degrees Fahrenheit)