

# borg.audio



MUZIKOS  
MAGIJOS  
SALONAS

## dune

360x360x70 mm

### Audio performance

#### *DAC section*

- SNR -140 dB
- THD -108 db
- crosstalk: better than -140 dB
- maximum resolution: 32/768

#### *ADC section*

- SNR: -124 dB
- THD: -108 dB
- maximum resolution: 24/192

### Electrical performance

- Audio clocking max jitter 200fs,  
-138 dBc phase noise
- Audio output power supplies max noise:  
better than 10uVrms
- DAC and ADC power supplies max noise:  
better than 1 uVrms
- Audio output level:  
max. 14.5 Vpp fully balanced
- HDMI: 3GHz video support
- USB C power supply
- Gigabit LAN
- Texas Instruments WLAN/ Bluetooth

# FEATURES



- ADC section input with ESD protection, R2R volume with redundant relays or CMOS switches, auto level down functionality for best SNR
  - internal socket for upgrading ADC section
    - dual mono Sabre ES9038PRO
    - USB DAC functionality
  - HDMI input and output with audio extraction and OSD overlay capability
    - internal socket for DSP dedicated to HDMI related functionality
- output R2R volume with redundant relays or CMOS switches, eliminating the need to decrease the SNR by digitally altering the volume
- optional pure analog phono stage module with digital control for various impedances
  - Gigabit LAN, WLAN a/b/g/n, Bluetooth
  - AMOLED display
  - capacitive digital volume control of the R2R volume
  - dual mono design
- separate L and R audio power supplies for each stage
  - separate digital and analog blocks
  - aviation grade aluminum housing