

Fosi Audio DS3

World's First DAC/Amp with an XMOS POWERED Processor
World's First HiFi Dongle with Hardware-level Gaming Sound Effects



ES9039Q2M DAC

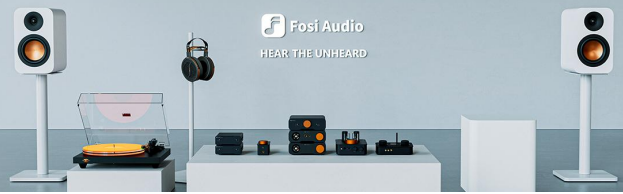
XMOS POWERED

Spatial Audio

Skylight Design

FPS Sound Engine

Volume Memory

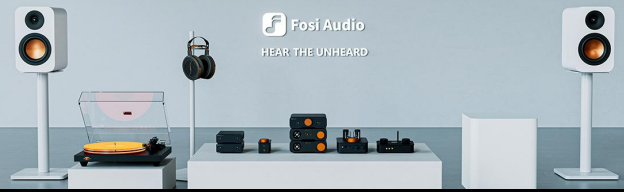


Highlight Summary

- **High-Performance Decoding:** Driven by the flagship ES9039Q2M chip, the DS3 offers exceptional resolution for audio up to PCM 32-bit/768kHz and DSD512 (native). It delivers up to 220mW of power and can drive headphones with ease.
- **First to Feature the Next-gen XMOS Processor:** **DS3 is the first portable DAC/Amp integrated with an XMOS processor in a battery-free design.** Co-developed by Fosi Audio and XMOS, XMOS POWERED is built on 16-core parallel architecture running at 1.6 GHz, offering low power consumption, high performance, and high-precision clock management.
- **Game Mode:** The DS3 supports UAC 1.0 for direct connection to PS5 and Switch, and features three sound modes: Original, FPS, and Spatial Audio.
 - **Hardware-level 7.1 Spatial Audio:** **Fosi's in-house hardware-level spatial audio algorithm works without PC software or drivers, delivering true plug-and-play convenience.** For games with multi-channel audio like Forza Horizon 5 and Devil May Cry 5, the DS3 transforms the signal into a 2-channel 7.1 surround sound, delivering a 360° immersive sound field.
 - **FPS Sound:** Specially tuned for shooters, emphasizing footsteps and gunfire for greater clarity and immersion.
- **Comprehensive Functions:** Supports gain adjustment and a selection of 8 PCM filters (UAC 2.0).
 - **Volume Memory:** Automatically retains your last volume setting in both UAC 1.0 and 2.0 modes.
 - **PEQ Customization:** A future update will introduce a web control panel to enable hardware-level 32-band EQ tuning without sound degradation.



Fosi Audio



Fosi Audio DS3

XMOS POWERED

Multi-Core Parallel Architecture

Dual-Core 1.6GHz

Low Distortion & Latency

Hardware- Level 7.1 Audio

Plug-and-Play

Restores Multichannel Detail

Immersive Soundstage

Hardware PEQ Tuning

32-band Studio-Grade PEQ

Ensures Sound Quality

Similar Products

Conventional Chips

Single-Core Serial Architecture

600MHz

Higher Distortion & Latency

Software- Based 7.1 Audio

Requires Software/Driver

Reduces Audio Information

Narrow Soundstage

Software EQ Tuning

8/10-Band Basic EQ

Sound Degradation



Hardware-level 7.1 Spatial Audio



FPS Sound Engine





CNC Aluminum Alloy



Tempered Glass Panel



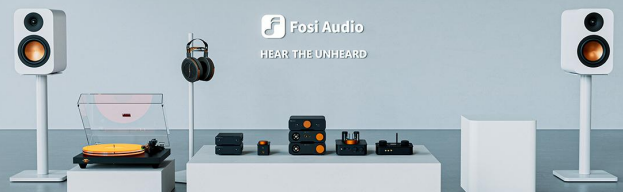


Obsidian



Galaxy





Product Gallery





Product Gallery





Specifications

Chipset	DAC: ESS Sabre ES9039Q2M USB Audio Processor: XMOS POWERED
Input	USB-C
Output	3.5mm Single-Ended, 4.4mm Balanced
USB Audio Class	UAC2.0, UAC1.0
Max Sampling Rate	UAC2.0: PCM 32bit/768kHz DSD Native DSD512, DoP DSD256
	UAC1.0: PCM 16bit/48kHz
Max Output Power	3.5mm: $\geq 120\text{mW} \times 2$ (32 Ω , THD+N < 1%)
	4.4mm: $\geq 220\text{mW} \times 2$ (32 Ω , THD+N < 1%)
Frequency Response	20Hz-48kHz($\pm 0.2\text{dB}$)
SNR	3.5mm: $\geq 122\text{dB}$
	4.4mm: $\geq 120\text{dB}$
Dynamic Range	3.5mm: $\geq 119\text{dB}$
	4.4mm: $\geq 116\text{dB}$
THD+N	3.5mm: < 0.0003%
	4.4mm: < 0.0005%
Headphone Impedance	16-300 Ω
Weight(without cable)	16g
Dimensions	55x20x11mm (2.17×0.79×0.43in)

About Fosi Audio

Established in 2017, Fosi Audio has been committed to developing, manufacturing, and selling high-quality HiFi audio products. Our extensive lineup includes home audio amplifiers, preamps, DACs, headphone amplifiers, speakers, portable DAC amps, etc. Fosi Audio has quickly become a rising star in the HiFi audio world, earning recognition from audiophiles worldwide. We boast a distribution network that reaches over 100 countries and have sold an impressive 20 million audio products to date.



Guided by our mission to “Redefine HiFi with Unmatched Value”, Fosi Audio continues to fuel its passion for the HiFi industry, ramp up R&D efforts, and co-create new HiFi equipment with users. We pledge to bring more amazing HiFi gear with high value of price, innovative design, cutting-edge technology, and premium quality, all backed by a 24-month warranty, to audiophiles worldwide.

Official Website: www.fosiaudio.com

Official Forum: community.fosiaudio.com

E-Mail: support@fosiaudio.com



Facebook Group



Youtube



Whatsapp