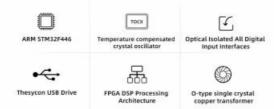


# MUSICIAN STM32F446 Hi-Fi Digital Interface User Manual

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#### **Proprietary USB interface**

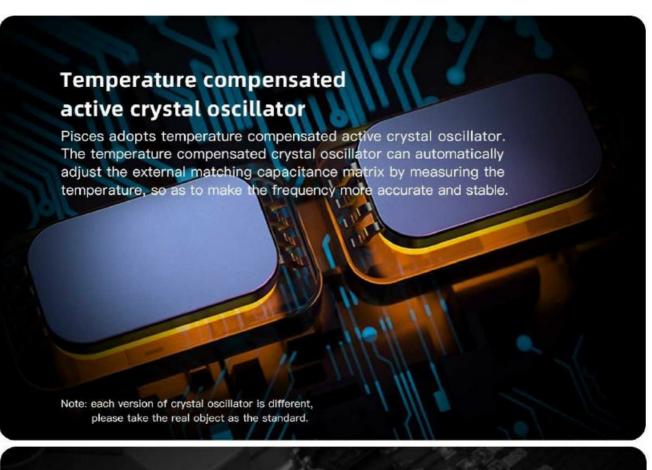
ARM STM32F446 's proprietary USB audio solution is based on the advanced AMR MCU. The redesigned and optimized circuit allows DDC to be used in high-end DDC and computers. It is equipped with an authorized thesycon USB windows platform driver.

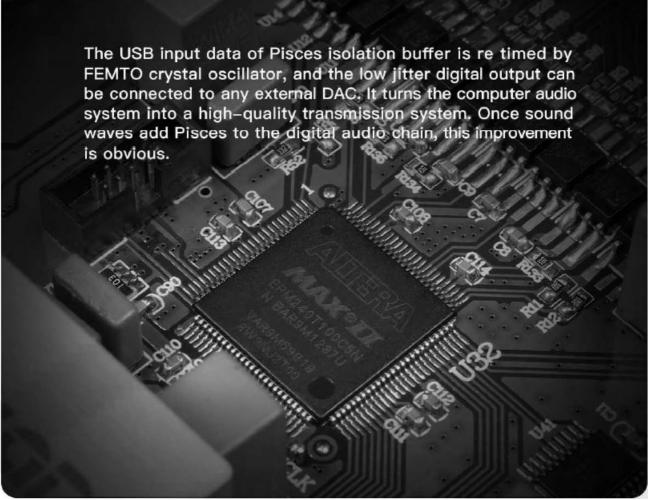


#### **Accurate FEMTO Clock**

Pisces is equipped with a dual femto clock, which is powered by an O-type transformer to ensure stability, linearity and femtosecond clock output frequency. Its high reliability can provide high stability and low phase noise frequency signals. The regeneration signal is more accurate, the details are more realistic, and the sound is smooth and natural.



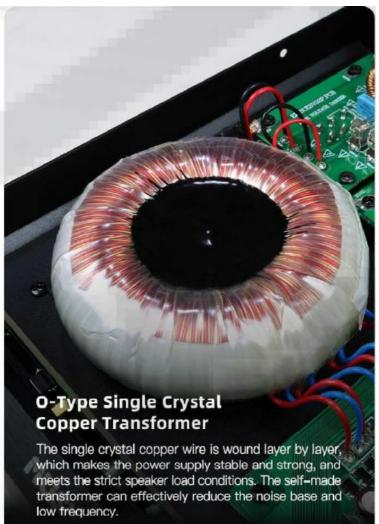


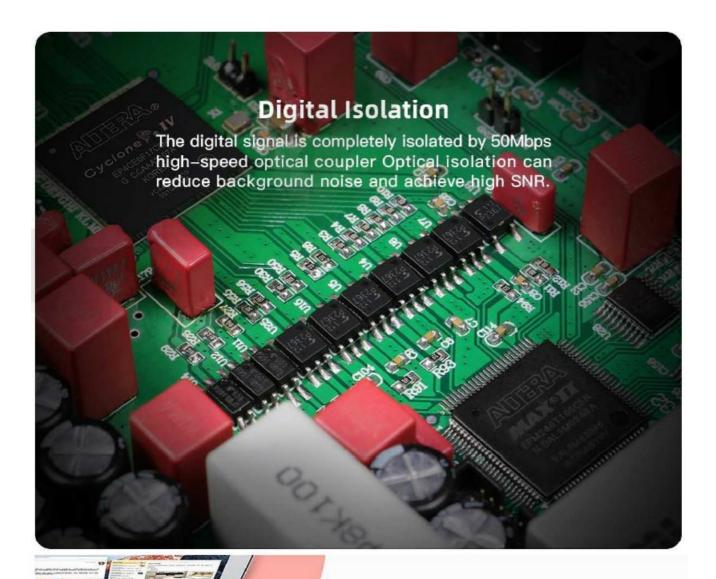


## ARM STM32F446 MCU

Support 24bit/768khz PCM data flow and DSD local processing until dsd1024









## Driverless On Mac & Linux

Mac and Linux connections can be used without installing drivers. Licensed thesycon USB driver for Windows platform.





### **Product Information**





### **Basic Parameters**

Model	PISCES
Digital Input	USB
External clock input	45.1548MHz / 49.152MHz
Digital Output	AES/EBU、Optical,Coaxial I <sup>2</sup> S HDMI LVDS / I <sup>2</sup> S RJ45 LVCMOS
DSD	All interfaces support DSD64 (DOP) USB input and I <sup>2</sup> S output supports DSD512
PCM	All interface support 24bits / 44.1, 48, 88.2, 96, 176.4, 192KHz USB input supports 768khz, and I2S output supports 384khz
AC Power Supply	100-240VAC, 50/60Hz (Worldwide Voltage)
Power waste	≤20W
Size	W 250 x D 235 x H 70mm (Height includes base)
Machine weight	3.5KG
Package weight	4.5KG

### **Documents / Resources**



MUSICIAN STM32F446 Hi-Fi Digital Interface [pdf] User Manual STM32F446 Hi-Fi Digital Interface, STM32F446, Hi-Fi Digital Interface, Digital Interface, Interface

## References

• User Manual