

Features

- Easy integration for miniSHARC/ 2x8/8x8 miniDSP platforms
- High quality Neutrik XLR
- Sample Rate Conversion

Hardware

- TI SRC4382 ASRC
- (up to 216kHz)
- SPDIF/Toslink/AES-EBU input
- ES9023 DAC on XLR outputs
- USB type B connector to header

Software Control

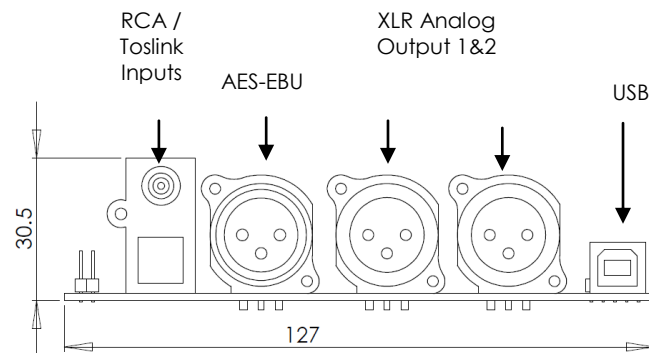
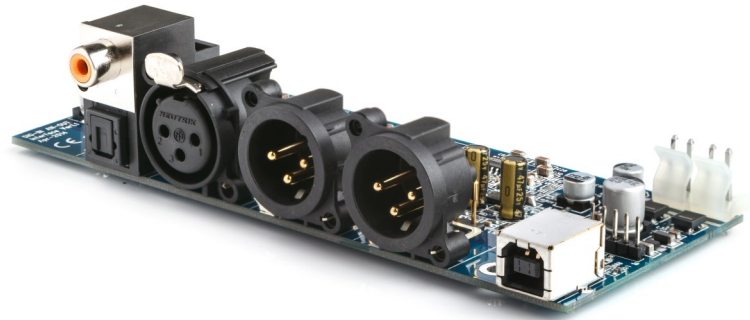
- Input source selection of DA-FP from either plug-in and/or front panel remote
- Plug & Play discovery on 2x8/8x8/miniSHARC platforms

Applications

- MiniDSP 2x8/8x8 I/O expansion
- DIY audio projects
- Custom Pro-Audio projects

The DA-FP is a Digital to I2S (Input) and I2S to Analog audio (I2S) interface providing for the I2S I/O of the miniDSP 2x8/8x8 and miniSHARC platforms. Based on the high quality TI (Burr-Brown) SRC4382 combined with the ES9023 DAC, the board is self configured to the correct sample rate once connected to any compatible platforms.

A USB connector is provided for easy front panel configuration and connectivity to the main board. This USB connection is for control only (no audio streaming).

**SYSTEM DIAGRAM**

Item	Description
Digital Audio inputs	1 x SPDIF on RCA connector, 1 x Optical input on Toslink connector 1 x AES-EBU on balanced XLR Neutrik connector
Analog Audio outputs	2 x XLR balanced connection ES9023 DAC chipset / 112dB rated
Sample rate converter	Up/Down sample digital audio input signal to the correct plug-in sample rate (48/96kHz) based on running configuration (4x10/10x10)
Data resolution	Up to 24 bits
Dynamic range input	128dB
THD + N (Full scale input)	- 124dB
Maximum Input Sample Rate	Up to 216kHz
SPDIF Transformer Isolation	Isolation transformer for both inputs and outputs Improves common mode noise rejection, impedance matching, isolation from ground loops and short circuit protection
USB port type B	USB port for external connectivity. Link to 5pin header on connector #2
Power supply	Provided by miniDSP 2x8/8x8/miniSHARC from connector #1
Dimensions (H x W x D)	125mm x 53mm